

## Department Summary

### Mission

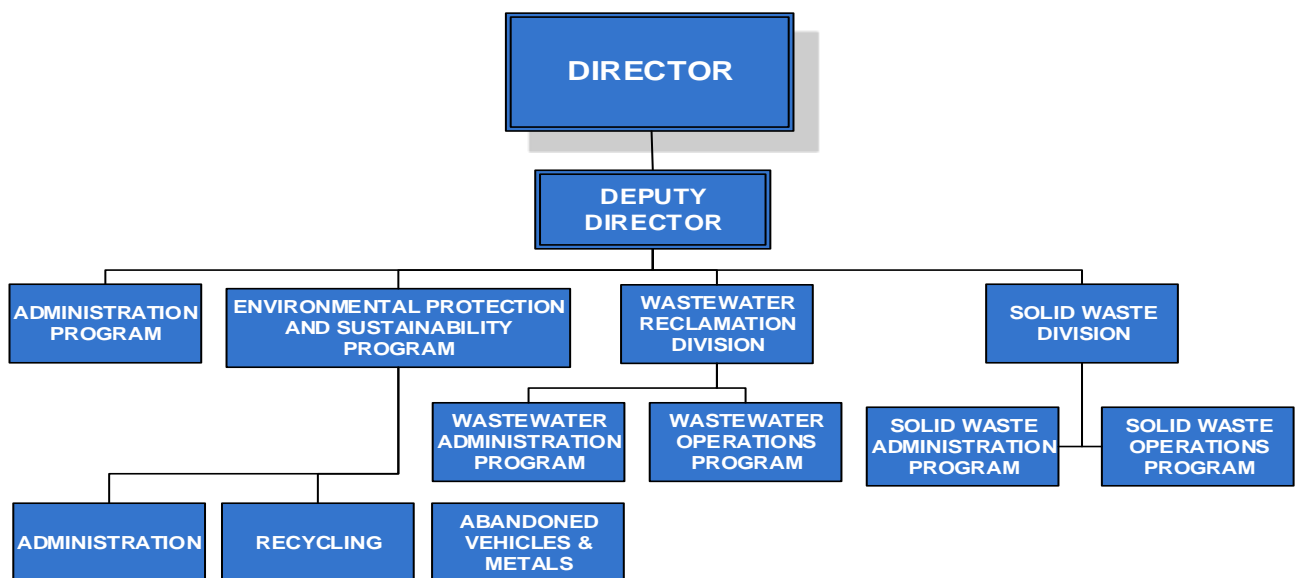
The Department of Environmental Management directs and oversees three operating divisions: Environmental Protection and Sustainability; Solid Waste Management; and Wastewater Reclamation. These divisions provide direct service to the public and also protect the environment. The Department of Environmental Management's mission is to ensure public health and safety, and environmental sustainability. This is accomplished by providing support and guidance to our divisions to continue effective, efficient, and compliant operations.

### Countywide Outcome(s)

The Department of Environmental Management supports the following countywide outcome(s):

- An Efficient, Effective, and Responsive Government
- Suitable Public Infrastructure
- A Prepared, Safe, and Livable County
- A Healthy and Sustainable Community

### Organization Chart



### Strategies

- Plan and implement the necessary infrastructure investments to support a healthy and sustainable community.
- Review and modify procedures to deliver services to the public that meet the expectations and demands of a livable community.

### Operations

The Administration Program meets with the department's divisions to plan and implement their capital improvement program, discuss daily activities, and personnel matters.

The Solid Waste Division supports sections including administration, compliance, planning, engineering, fiscal, refuse collections, landfill operations, safety and training programs, 99 employees, capital

**Department Summary****Operations (Cont'd)**

improvement projects, and permit reviews. The Division operates 4 county owned landfills, 6 closed landfills, provides residential refuse collection to > 26,700 accounts and 2,600 routes/year, manages 19 permits and related regulatory compliance countywide, landfills 200,000 tons/year, and currently processes >20,000 tons/year of construction and demolition (C&D) material.

The Environmental Protection and Sustainability Division is expanding to fulfill the 2012 charter mandate that the department “guide efforts to optimize opportunities for environmental, natural resource protection, sustainability, conservation, and restoration.” Existing programs include waste reduction and diversion of waste that would otherwise be landfilled including general recyclables, scrap metals, electronics, household hazardous waste, and abandoned vehicles, as well as litter control and other waste reduction programs. Program expansions include an environmental grant program, sustainability education, and development of partnerships with environmental agencies and organizations.

The Wastewater Reclamation Division operates and maintains the county’s wastewater reclamation facilities which include numerous wastewater pump stations. The division maintains over 220 miles of gravity and force main wastewater collection pipelines, and monitors and enforces the grease trap interceptor program for restaurants. The division also provides almost 4 million gallons of reclaimed water each day for agricultural and landscaping maintenance through almost 9 miles of reclaimed water lines.

**External Factors Description**

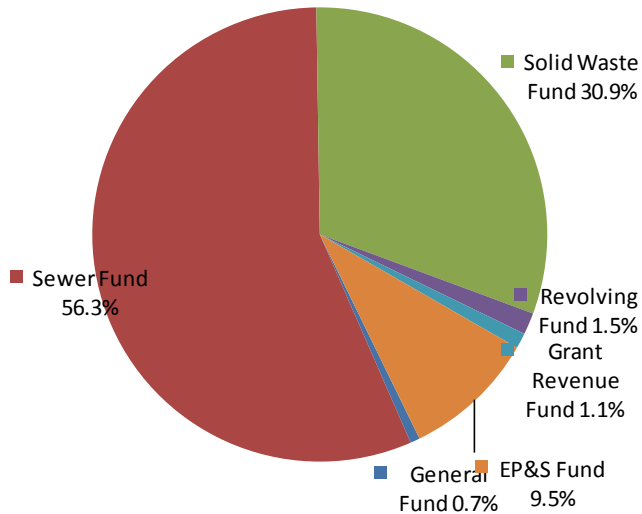
The Solid Waste and Wastewater Divisions are heavily regulated by both state and federal agencies. State and federal agencies’ rules and regulations dictate how the Divisions operate their facilities. The department continues to work with those agencies to weigh the impacts of these rules and regulations on the operational cost.

Public perception impacts the Divisions’ ability to operate its facilities. Despite being in compliance with all applicable requirements, negative assumptions often are made as to the manner in which facilities are being operated. This forces the Divisions to operate their facilities above and beyond applicable requirements to combat any negative perception.

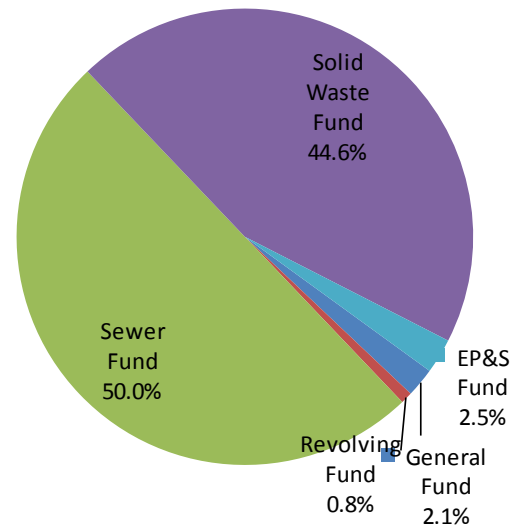
## Department Summary

## Department Budget Summary by Fund

FY 2020 Total Expenditures

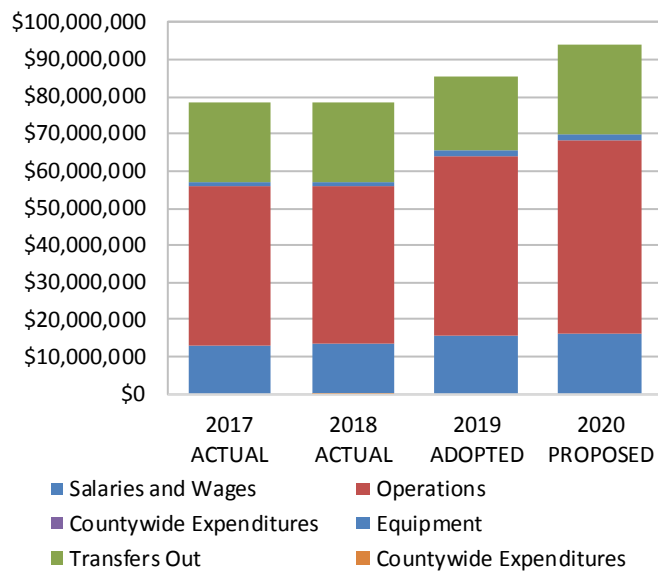


FY 2020 Total Equivalent Personnel

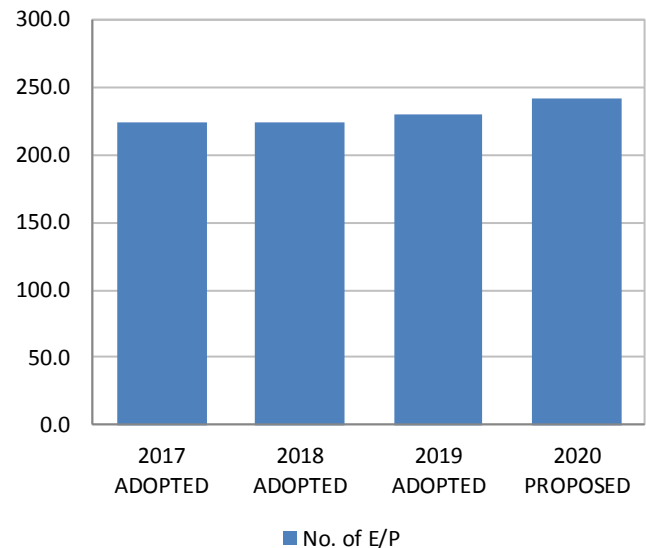


## Department Budget Summary by Fiscal Year

Total Expenditures By Character



Total Equivalent Personnel



## Department Summary

## Expenditure Summary by Character &amp; Object

CHARACTER/ OBJECT DESCRIPTION	2017 ACTUAL	2018 ACTUAL	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
<b>Salaries and Wages</b>						
WAGES & SALARIES	\$11,401,932	\$12,078,383	\$13,877,889	\$14,557,415	\$679,526	4.9%
OTHER PREMIUM PAY	\$1,658,811	\$1,526,729	\$1,688,094	\$1,831,321	\$143,227	8.5%
SALARY ADJUSTMENTS	\$0	\$0	\$0	\$7,258	\$7,258	N/A
<b>Salaries and Wages Total</b>	<b>\$13,060,743</b>	<b>\$13,605,112</b>	<b>\$15,565,983</b>	<b>\$16,395,994</b>	<b>\$830,011</b>	<b>5.3%</b>
<b>Operations</b>						
MATERIALS & SUPPLIES	\$4,580,953	\$5,936,602	\$6,798,952	\$7,427,764	\$628,812	9.2%
SERVICES	\$14,081,643	\$12,048,571	\$13,413,867	\$14,171,771	\$757,904	5.7%
UTILITIES	\$4,846,163	\$5,028,988	\$5,709,315	\$5,712,892	\$3,577	0.1%
TRAVEL	\$110,340	\$89,887	\$122,873	\$124,873	\$2,000	1.6%
OTHER COSTS	\$4,528,015	\$3,891,762	\$4,614,230	\$4,807,698	\$193,468	4.2%
SPECIAL PROJECTS	\$0	\$200	\$504,600	\$618,600	\$114,000	22.6%
Special Revenue Funds	\$0	\$0	\$0	\$627,217	\$627,217	N/A
Interfund Cost Reclassificatio	\$14,924,521	\$15,229,301	\$17,344,037	\$18,390,423	\$1,046,386	6.0%
Non-Operating Expenses	\$0	\$250	\$0	\$0	\$0	N/A
<b>Operations Total</b>	<b>\$43,071,635</b>	<b>\$42,225,561</b>	<b>\$48,507,874</b>	<b>\$51,881,238</b>	<b>\$3,373,364</b>	<b>7.0%</b>
<b>Transfers Out</b>						
Other Governmental Funds	\$6,528,804	\$5,281,400	\$0	\$0	\$0	N/A
Special Revenue Funds	\$340,000	\$192,981	\$6,057,458	\$4,753,047	-\$1,304,411	-21.5%
General Fund	\$14,819,570	\$15,751,208	\$13,706,373	\$19,839,217	\$6,132,844	44.7%
<b>Transfers Out Total</b>	<b>\$21,688,374</b>	<b>\$21,225,589</b>	<b>\$19,763,831</b>	<b>\$24,592,264</b>	<b>\$4,828,433</b>	<b>24.4%</b>
<b>Countywide Expenditures</b>						
OTHER COSTS	\$0	-\$2,761	\$0	\$0	\$0	N/A
<b>Countywide Expenditures Total</b>	<b>\$0</b>	<b>-\$2,761</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>N/A</b>
<b>Equipment</b>						
MACHINERY & EQUIPMENT	\$844,589	\$1,161,557	\$1,326,000	\$1,348,200	\$22,200	1.7%
LEASE PURCHASES	\$15,195	\$19,696	\$31,290	\$31,290	\$0	N/A
<b>Equipment Total</b>	<b>\$859,784</b>	<b>\$1,181,253</b>	<b>\$1,357,290</b>	<b>\$1,379,490</b>	<b>\$22,200</b>	<b>1.6%</b>
<b>Department Total</b>	<b>\$78,680,536</b>	<b>\$78,234,755</b>	<b>\$85,194,978</b>	<b>\$94,248,986</b>	<b>\$9,054,008</b>	<b>10.6%</b>

## Equivalent Personnel Summary by Program

PROGRAM	2017 ADOPTED	2018 ADOPTED	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
Administration Program	5.0	5.0	5.0	5.0	0.0	N/A
Environmental Protection & Sustainability Program	5.0	5.8	6.0	8.0	2.0	33.3%
Solid Waste Administration Program	14.0	13.3	13.0	13.00	0.0	N/A
Solid Waste Operations Program	82.0	82.0	86.0	95.0	9.0	10.5%
Wastewater Administration Program	18.0	18.0	19.0	20.0	1.0	5.3%
Wastewater Operations Program	100.0	100.0	101.0	101.0	0.0	N/A
<b>Department Total</b>	<b>224.0</b>	<b>224.0</b>	<b>230.0</b>	<b>242.0</b>	<b>12.0</b>	<b>5.2%</b>

**Administration Program****Program Description**

The Administration Program meets with the department's Divisions to plan and implement the departments' capital improvement program, and discuss daily activities and personnel matters. Based on the addition to Section 8-15.3 of the County Charter, the FY 2016 budget includes the creation of a new program to address the additional responsibilities of the department to "guide efforts to optimize opportunities for environmental, natural resource protection, sustainability, conservation, and restoration."

The Wastewater Reclamation Division operates and maintains the county's wastewater reclamation facilities which include 42 wastewater pump stations. The division maintains over 220 miles of gravity and force main wastewater collection pipelines, and monitors and enforces the grease trap interceptor program for restaurants. The Division also provides almost 4 million gallons of reclaimed water each day for agricultural and landscaping maintenance through almost 9 miles of reclaimed water lines.

The Solid Waste Division supports sections including administration, compliance, planning, engineering, fiscal, refuse collections, landfill operations, safety and training programs, 99 employees, capital improvement projects, and permit reviews. The Division operates 4 county-owned landfills, 6 closed landfills, provides residential refuse collection to > 26,700 accounts and 2,600 routes/year, manages 19 permits and related regulatory compliance countywide, landfills 210,000 tons/year, and currently processes > 20,000 tons/year of construction and demolition (C&D) material.

The Environmental Protection & Sustainability Division is expanding to fulfill the 2012 charter mandate that the department "guide efforts to optimize opportunities for environmental, natural resource protection, sustainability, conservation, and restoration." Existing programs include waste reduction and diversion of waste that would otherwise be landfilled including general recyclables, scrap metals, household hazardous waste, and abandoned vehicles, as well as litter control and other waste reduction programs. Program expansions include an environmental grant program and development of partnerships with environmental agencies and organizations.

**Countywide Outcome(s)**

The Administration Program supports the following countywide outcome(s):

- An Efficient, Effective, and Responsive Government
- Suitable Public Infrastructure
- A Prepared, Safe, and Livable County
- A Healthy and Sustainable Community

**Population Served**

The Administration Program oversees the Environmental Protection and Sustainability, Wastewater Reclamation, and Solid Waste Divisions. The Wastewater Reclamation Division serves sewer and water reuse customers in the County of Maui. There are over 45,000 residential and 1,700 non-residential customers. The Solid Waste Division serves the entire population within the County of Maui with its landfills. The refuse section serves over 26,700 residential refuse collection accounts and the landfill section serves over 1,000 commercial accounts. The Environmental Protection & Sustainability Division serves the entire population within the County of Maui.

**Services Provided**

The Administration Program provides management services to the Solid Waste Management, Wastewater Reclamation, and Environmental Protection & Sustainability Divisions.

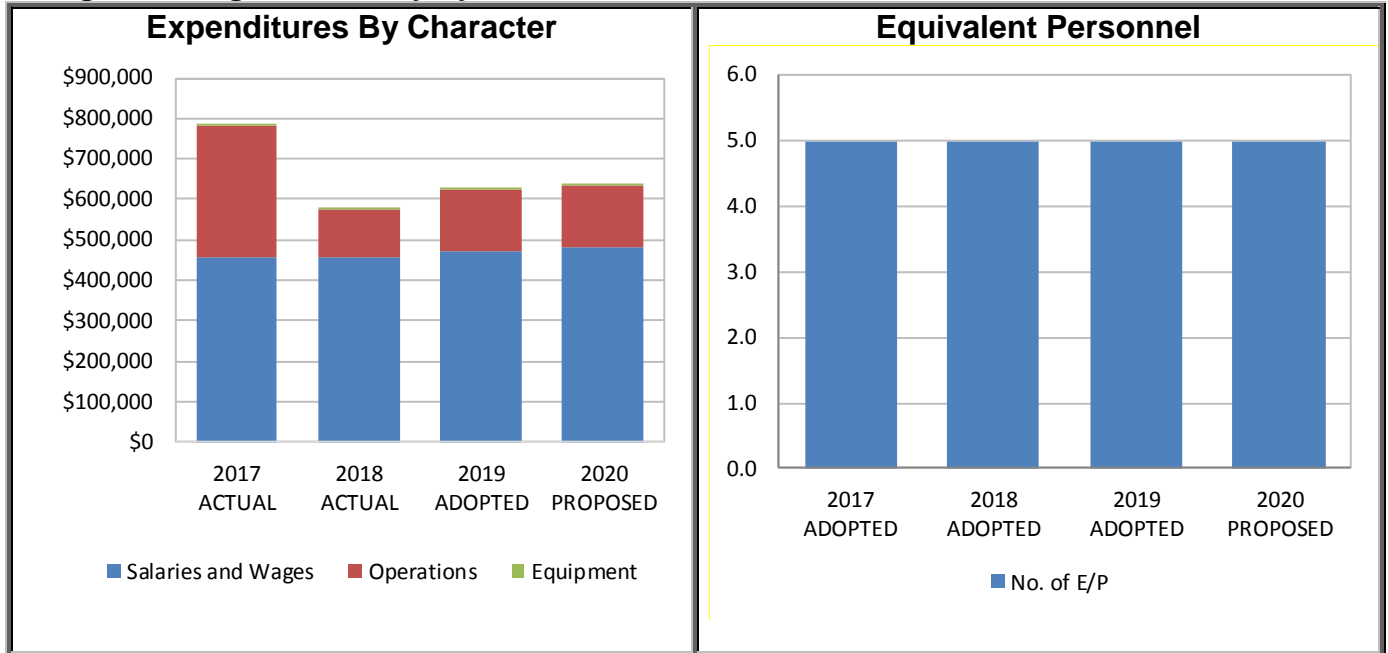
## Administration Program

## Key Activity Goals &amp; Measures

GOALS/OBJECTIVES	SUCCESS MEASUREMENTS	FY 2018 ACTUAL	FY 2019 ESTIMATE	FY 2020 ESTIMATE
<i>Goal #1: Provide effective management of departmental projects and programs.</i>				
1. Conduct meetings with Divisions to ensure mid- and long-term goals are progressing	# of meetings conducted per year	13	12	12
2. Initiate new programs to promote sustainability	# of programs initiated per year	0	1	1
3. Resolve outstanding regulatory issues	# of outstanding issues resolved per year	0	1	1
<i>Goal #2: Provide effective department fiscal management.</i>				
1. Conduct meetings with Divisions to review and evaluate fiscal management of projects and programs annually	# of meetings conducted per year	13	12	12
2. Review current procedures and initiate new procedures to promote efficiency annually	# of new procedures initiated per year	0	1	1
<i>Goal #3: Provide effective department personnel management.</i>				
1. Conduct meetings with Divisions to review and update personnel needs and actions annually	# of meetings conducted per year	13	12	12
2. Conduct meetings with Departmental Personnel Officer (DPO) to prioritize actions	# of meetings conducted per year to prioritize actions	20	24	24
3. Develop & conduct supervisor leadership and communication development training program designed to improve leadership and communication skills, and promote overall employee job satisfaction and commitment.	# of leadership development sessions annually	4	4	4
	Supervisor attendance at leadership trainings	95%	100%	100%
	# of DEM workers comp claims	4	0	0
	# of fraudulent workers comp claims	0	0	0
	# of DEM leave without pay man days	63	50	25
	# of DEM grievances	N/A	0	0

## Administration Program

## Program Budget Summary by Fiscal Year – General Fund



## Expenditures Summary by Character &amp; Object - General Fund

CHARACTER/ OBJECT DESCRIPTION	2017 ACTUAL	2018 ACTUAL	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
<b>Salaries and Wages</b>						
WAGES & SALARIES	\$454,903	\$452,083	\$469,286	\$475,266	-\$2,400	-0.5%
OTHER PREMIUM PAY	\$1,744	\$5,423	\$2,800	\$8,584	\$32,453	1159.0%
<b>Salaries and Wages Total</b>	<b>\$456,648</b>	<b>\$457,506</b>	<b>\$472,086</b>	<b>\$483,850</b>	<b>\$11,764</b>	<b>2.5%</b>
<b>Operations</b>						
MATERIALS & SUPPLIES	\$4,353	\$2,755	\$3,650	\$3,650	\$0	N/A
SERVICES	\$11,555	\$2,235	\$9,000	\$9,000	\$0	N/A
UTILITIES	\$5,924	\$7,243	\$8,640	\$8,640	\$0	N/A
TRAVEL	\$13,264	\$8,707	\$21,500	\$21,500	\$0	N/A
OTHER COSTS	\$289,491	\$94,366	\$108,750	\$108,750	\$0	N/A
SPECIAL PROJECTS		\$200	\$600	\$600	\$0	N/A
<b>Operations Total</b>	<b>\$324,587</b>	<b>\$115,505</b>	<b>\$152,140</b>	<b>\$152,140</b>	<b>\$0</b>	<b>N/A</b>
<b>Equipment</b>						
MACHINERY & EQUIPMENT	\$0	\$0	\$0	\$0	\$0	N/A
LEASE PURCHASES	\$3,028	\$2,907	\$4,500	\$4,500	\$0	N/A
<b>Equipment Total</b>	<b>\$3,028</b>	<b>\$2,907</b>	<b>\$4,500</b>	<b>\$4,500</b>	<b>\$0</b>	<b>N/A</b>
<b>Program Total</b>	<b>\$784,263</b>	<b>\$575,919</b>	<b>\$628,726</b>	<b>\$640,490</b>	<b>\$11,764</b>	<b>1.9%</b>

## Equivalent Personnel Summary by Position Title – General Fund

POSITION TITLE	2017 ADOPTED	2018 ADOPTED	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
Administrative Officer	1.0	1.0	1.0	1.0	0.0	N/A
Deputy Director	1.0	1.0	1.0	1.0	0.0	N/A
Director	1.0	1.0	1.0	1.0	0.0	N/A
Personnel Assistant II	1.0	1.0	1.0	1.0	0.0	N/A
Private Secretary	1.0	1.0	1.0	1.0	0.0	N/A
<b>Program Total</b>	<b>5.0</b>	<b>5.0</b>	<b>5.0</b>	<b>5.0</b>	<b>0.0</b>	<b>N/A</b>

## Administration Program

## Continuation Budget Changes (+/- \$10,000) from FY 2019 Adopted Budget

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
None	\$0	0.0
<b>Operations</b>		
None	\$0	
<b>Equipment</b>		
None	\$0	

## Expansion Budget Request from FY 2019 Adopted Budget

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
91900A-5250 Salary Adjustments: Anticipated salary increase for Collective Bargaining	\$6,084	0.0
<b>Operations</b>		
None	\$0	
<b>Equipment</b>		
None	\$0	
<b>TOTAL EXPANSION BUDGET</b>	<b>\$6,084</b>	<b>0.0</b>

## County Grant Subsidy Detail

Name of Grantee/Program	FY 2017 Actual	FY 2018 Actual	FY 2019 Adopted	FY 2020 Proposed
Community Work Day Program	\$205,050	\$0	\$0	\$0
<b>TOTAL COUNTY GRANT SUBSIDY - ADMINISTRATION PROGRAM</b>	<b>\$205,050</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Wastewater Administration Program

### Program Description

The Wastewater Reclamation Division is composed of two major organizational elements-administration and operations. These two elements work in unison with overlapping responsibilities but shared objectives. Wastewater Administration is responsible for managing the overall objectives of the Division, expenditures and revenues, and administering the wastewater user charge system. It monitors compliance with county, state, and federal regulations regarding treatment, quality, and discharges; provides permitting, monitoring and enforcement support for regulated discharges from commercial and industrial users; issues grease interceptors and hauler discharge permits; and maintains the county-wide KIVA database relating to these permits. The program also identifies, plans, and constructs wastewater and recycled water infrastructure to support community plans.

### Countywide Outcome(s)

The Wastewater Administration Program supports the following countywide outcome(s):

- An Efficient, Effective, and Responsive Government
- A Strong Diversified Economy
- Suitable Public Infrastructure
- A Prepared, Safe, and Livable County
- A Healthy and Sustainable Community

### Population Served

The Wastewater Administration Program serves sewer and water reuse customers in the County of Maui.

### Services Provided

The Wastewater Administration Program provides wastewater reclamation services in Central, South, and West Maui; Kaunakakai, Molokai; and Lanai City.

### Key Activity Goals & Measures

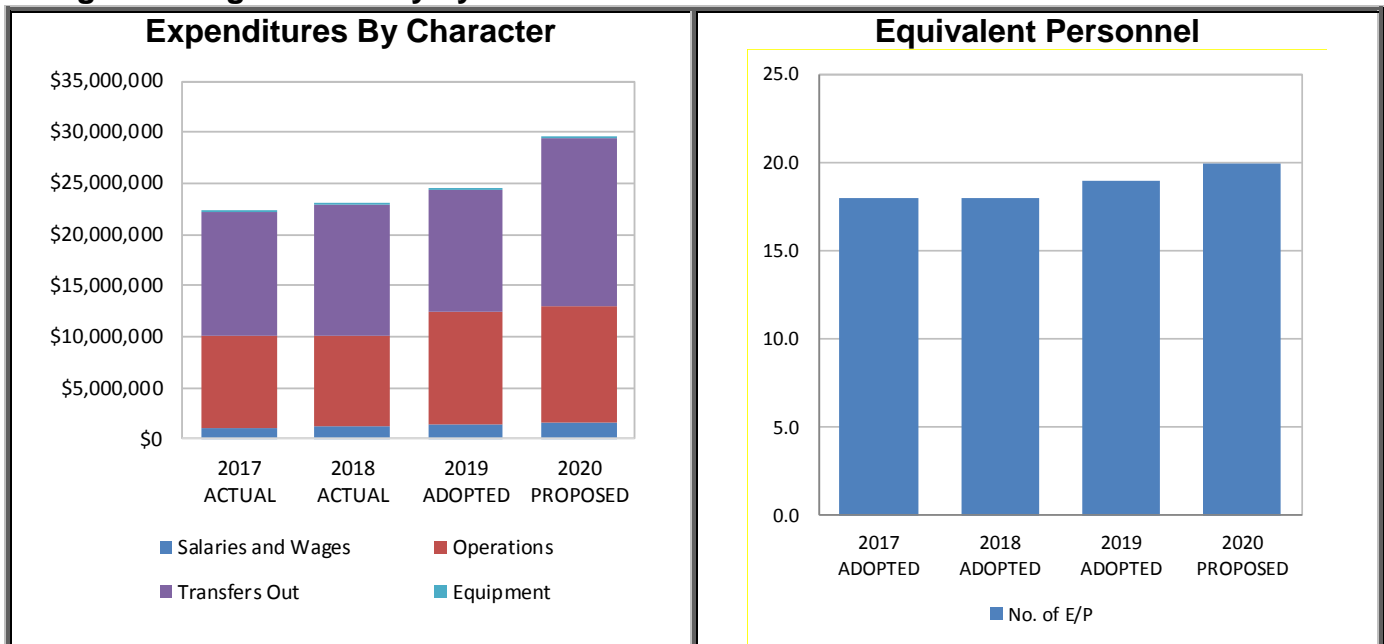
GOALS/OBJECTIVES	SUCCESS MEASUREMENTS	FY 2018 ACTUAL	FY 2019 ESTIMATE	FY 2020 ESTIMATE
<i>Goal #1: Provide effective Division management.</i>				
1. Maintain efficient fiscal management	Total cost per 1,000 gallons collected, transported, treated, and disposed	\$5.36	\$5.20	\$5.36
2. Maximize throughput efficiency	Power (in kWh) per 1,000 gallons treated	\$3.46	3.79	\$3.54
3. Conduct timely pretreatment inspections	% of pretreatment inspections conducted on time	100%	100%	100%
4. Minimize adverse impacts to environment	# of grease-related spills	1	3	3
<i>Goal #2: Sustain reliable wastewater infrastructure.</i>				
1. Complete CIP projects within schedule	% of CIP design & construction projects on schedule	100%	100%	100%

## Wastewater Administration Program

## Key Activity Goals &amp; Measures (Cont'd)

GOALS/OBJECTIVES	SUCCESS MEASUREMENTS	FY 2018 ACTUAL	FY 2019 ESTIMATE	FY 2020 ESTIMATE
<i>Goal #2: Sustain reliable wastewater infrastructure.</i>				
2. Develop needs assessment for infrastructure improvements to decrease the # of unplanned infrastructure replacement projects greater than \$100,000	# of unplanned infrastructure replacement projects with a value greater than \$100,000	0	0	0
3. Maintain public awareness by conducting public presentations annually	# of public presentations conducted	10	10	10
4. Minimize adverse impacts to wastewater system from non-county activities	# of public information requests	1252	1,300	1300
5. Monitor capacity to meet demands on existing facilities	# of planning and building permits denied due to lack of sewer capacity	0	0	0
6. Provide timely review of permit applications	% of permit applications reviewed within 45 days	99%	100%	98%

## Program Budget Summary by Fiscal Year – Sewer Fund



## Wastewater Administration Program

## Expenditures Summary by Character &amp; Object – Sewer Fund

CHARACTER/ OBJECT DESCRIPTION	2017 ACTUAL	2018 ACTUAL	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
<b>Salaries and Wages</b>						
WAGES & SALARIES	\$1,073,432	\$1,202,299	\$1,399,762	\$1,449,612	\$49,850	3.6%
OTHER PREMIUM PAY	\$62,986	\$92,518	\$46,160	\$137,786	\$91,626	198.5%
<b>Salaries and Wages Total</b>	<b>\$1,136,418</b>	<b>\$1,294,817</b>	<b>\$1,445,922</b>	<b>\$1,587,398</b>	<b>\$141,476</b>	<b>9.8%</b>
<b>Operations</b>						
MATERIALS & SUPPLIES	\$14,605	\$31,467	\$34,726	\$37,026	\$2,300	6.6%
SERVICES	\$1,092,375	\$869,531	\$864,456	\$1,016,169	\$151,713	17.6%
UTILITIES	\$8,328	\$9,225	\$12,500	\$12,500	\$0	N/A
TRAVEL	\$29,868	\$14,898	\$16,150	\$16,150	\$0	N/A
OTHER COSTS	\$357,037	\$270,637	\$328,500	\$333,500	\$5,000	1.5%
INTERFUND COST RECLASSIFICATION	\$7,378,001	\$7,661,787	\$9,724,024	\$9,986,968	\$262,944	2.7%
<b>Operations Total</b>	<b>\$8,880,215</b>	<b>\$8,857,545</b>	<b>\$10,980,356</b>	<b>\$11,402,313</b>	<b>\$421,957</b>	<b>3.8%</b>
<b>Transfers Out</b>						
OTHER GOVERNMENTAL FUNDS	\$2,678,431	\$1,659,979	\$0	\$0	\$0	N/A
SPECIAL REVENUE FUNDS	\$0	\$0	\$2,787,458	\$1,483,047	-\$1,304,411	-46.8%
GENERAL FUND	\$9,437,639	\$11,040,846	\$9,174,453	\$14,869,211	\$5,694,758	62.1%
<b>Transfers Out Total</b>	<b>\$12,116,070</b>	<b>\$12,700,825</b>	<b>\$11,961,911</b>	<b>\$16,352,258</b>	<b>\$4,390,347</b>	<b>36.7%</b>
<b>Equipment</b>						
MACHINERY & EQUIPMENT	\$0	\$2,292	\$33,000	\$66,000	\$33,000	100.0%
LEASE PURCHASES	\$2,342	\$2,342	\$6,000	\$6,000	\$0	N/A
<b>Equipment Total</b>	<b>\$2,342</b>	<b>\$4,633</b>	<b>\$39,000</b>	<b>\$72,000</b>	<b>\$33,000</b>	<b>84.6%</b>
<b>Program Total</b>	<b>\$22,135,044</b>	<b>\$22,857,821</b>	<b>\$24,427,189</b>	<b>\$29,413,969</b>	<b>\$4,986,780</b>	<b>20.4%</b>

\*\*Note: Expenditures include fringe benefits, overhead, and debt service costs.

## Equivalent Personnel Summary by Position Title – Sewer Fund

POSITION TITLE	2017 ADOPTED	2018 ADOPTED	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
Accountant IV	1.0	1.0	1.0	1.0	0.0	N/A
CIP Coordinator	1.0	1.0	1.0	1.0	0.0	N/A
Civil Engineer I	0.0	0.0	0.0	1.0	1.0	N/A
Civil Engineer II	1.0	1.0	1.0	1.0	0.0	N/A
Civil Engineer III	1.0	1.0	1.0	1.0	0.0	N/A
Civil Engineer IV	2.0	2.0	2.0	2.0	0.0	N/A
Civil Engineer V	1.0	1.0	1.0	1.0	0.0	N/A
Civil Engineer VI	2.0	2.0	2.0	2.0	0.0	N/A
Construction Inspector II	1.0	1.0	1.0	1.0	0.0	N/A
Customer Service Representative II	1.0	1.0	1.0	1.0	0.0	N/A
GIS Analyst I	0.0	0.0	1.0	1.0	0.0	N/A
GIS Analyst III	1.0	1.0	1.0	1.0	0.0	N/A
Mechanical Engineer I	1.0	1.0	1.0	1.0	0.0	N/A
Secretary II	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Operations Training Officer	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Pretreatment Coordinator	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Reclamation Division Chief	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Source Control Technician	1.0	1.0	1.0	1.0	0.0	N/A
<b>Program Total</b>	<b>18.0</b>	<b>18.0</b>	<b>19.0</b>	<b>20.0</b>	<b>1.0</b>	<b>5.3%</b>

## Wastewater Administration Program

## Continuation Budget Changes (+/- \$10,000) from FY 2019 Adopted Budget

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
<b>WAGES AND SALARIES:</b>		
None		
<b>Operations</b>		
<b>SERVICES:</b>		
919005B-6110 Computer Services: Increase in CC&B Water/Sewer billing	\$50,843	
<b>INTERFUND COST RECLASSIFICATION:</b>		
919011B-6314 Social Security - FICA: Based on CY2019 Employee Fringe Benefit Rates issued by Finance, 11/1/2018.	-\$36,079	
919011B-6370 Retirement System Charges: Adjusted due to ERS spiking bills, same as prior year.	\$105,018	
919013B-6320 Hawaii Employer-Union Trust Fd: Anticipated increase in EUTF premiums; same as prior year.	\$41,386	
919017B-6350 Overhead Charges/Admin Cost: Based on cost allocation plan, Matrix, 7/20/2017	\$161,606	
<b>Transfer Out</b>		
<b>SPECIAL REVENUE FUNDS:</b>		
919002B-7511 Special Revenue Funds: Moved to various subobjects for funding.	-\$1,304,411	
919015B-7510 General Fund: Increase funding for debt service payment.	\$5,694,758	
<b>Equipment</b>		
919005C-7036 Furniture/Fixtures: Deletion of one-time FY19 appropriation.	-\$3,000	
919005C-7040 Motor Vehicles: Deletion of one-time FY19 appropriation.	-\$25,000	
919005C-7031 Computer Equipment: Deletion of one-time FY19 appropriation.	-\$5,000	

## Expansion Budget Request from FY 2019 Adopted Budget

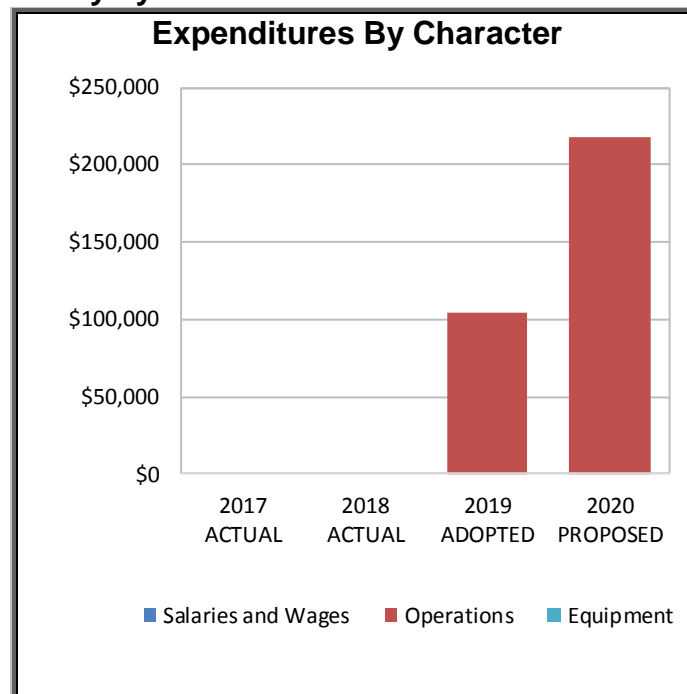
EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
<b>WAGES AND SALARIES:</b>		
919005A-5101 Regular Wages: Proposed expansion position for a Civil Engineer I	\$42,040	1.0
919005A-5215 Premium Pay: Increase in overtime due to rise in workload.	\$50,000	0.0
919005A-5250 Salary Adjustments: Anticipated salary increase for Collective Bargaining Contracts	\$34,471	0.0
919007A-5250 Salary Adjustments: Anticipated salary increase for Collective Bargaining Contracts	\$5,108	0.0
919009A-5250 Salary Adjustments: Anticipated salary increase for Collective Bargaining Contracts	\$2,647	0.0
<b>Operations</b>		
<b>MATERIALS AND SUPPLIES:</b>		
919005B-6031 Repairs & Maintenance Supplies: Partitions to create workspace for Civil Engineer I expansion position.	\$2,000	
919005B-6060 Small Equipment: Related operations cost for Civil Engineer I expansion position (office chair).	\$300	
<b>SERVICES:</b>		
919005B-6132 Professional Services: Increase needed for funding of Geotechnical/Materials Testing, Permit Compliance, Archaeological Services, & Construction Management.	\$100,000	

## Wastewater Administration Program

## Expansion Budget Request from FY 2019 Adopted Budget (Cont'd)

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>OTHER COSTS:</b>		
919005B-6244 Computer Software: Related operations cost for Civil Engineer I expansion position.	\$5,000	
<b>Equipment</b>		
<b>MACHINERY &amp; EQUIPMENT:</b>		
919005C-7040 Motor Vehicles: Purchase a 4WD truck to replace 2004 Ford Ranger w/ 117,750 miles.	\$30,000	
919005C-7040 Motor Vehicles: Purchase 4-door vehicle to replace 1999 Ford Escort w/ 46,403 miles.	\$30,000	
919005C-7036 Furniture/Fixtures: Purchase desk and \$2,000 for partitions for Civil Engineer I expansion position.	\$1,000	
919005C-7031 Computer Equipment: Purchase computer for Civil Engineer I expansion position.	\$5,000	
<b>TOTAL EXPANSION BUDGET</b>	<b>\$307,566</b>	<b>1.0</b>

## Program Budget Summary by Fiscal Year – Grant Revenue Fund



## Wastewater Administration Program

## Expenditures Summary by Character &amp; Object – Grant Revenue Fund

CHARACTER/ OBJECT DESCRIPTION	2017 ACTUAL	2018 ACTUAL	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
<b>Salaries and Wages</b>						
WAGES & SALARIES	\$0	\$0	\$0	\$0	\$0	N/A
OTHER PREMIUM PAY	\$0	\$0	\$0	\$0	\$0	N/A
<b>Salaries and Wages Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>N/A</b>
<b>Operations</b>						
OTHER COSTS	\$0	\$0	\$0	\$0	\$0	N/A
SPECIAL PROJECTS	\$0	\$0	\$104,000	\$218,000	\$114,000	109.6%
<b>Operations Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$104,000</b>	<b>\$218,000</b>	<b>\$114,000</b>	<b>109.6%</b>
<b>Equipment</b>						
MACHINERY & EQUIPMENT	\$0	\$0	\$0	\$0	\$0	N/A
LEASE PURCHASES	\$0	\$0	\$0	\$0	\$0	N/A
<b>Equipment Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>N/A</b>
<b>Program Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$104,000</b>	<b>\$218,000</b>	<b>\$114,000</b>	<b>109.6%</b>

## Summary by Grant Award

Grant Award Name	New grant	Required County match? Yes/No and	FY 2017 Adopted	FY 2018 Adopted	FY 2019 Adopted	FY 2020 Proposed
		Match \$ or %				
Department of Health West Maui Public Outreach Grant	No	No	\$50,000	\$50,000	\$0	\$0
State Department of Health 604b Grant Program	Yes	No	\$0	\$0	\$104,000	\$218,000
<b>TOTAL</b>			<b>\$50,000</b>	<b>\$50,000</b>	<b>\$104,000</b>	<b>\$218,000</b>

## Grant Award Description

State Department of Health 604b Grant Program

The 604b grants are available for regional public comprehensive planning organizations to carry out water quality management planning activities that protect water quality in the State of Hawaii. Projects must address water quality issues. Grant funds can be used to determine the nature, extent, and causes of point and nonpoint source water pollution; develop water quality management plans; develop technical and administrative guidance tools for water pollution control; develop preliminary designs for best management practices (BMPs) to address water quality problems; implement administrative water pollution controls; and educate the public about the impact and importance of water pollution control.

## Wastewater Operations Program

### Program Description

The Wastewater Operations Program is responsible for the management, operation, and repair of county wastewater collection, transportation and processing infrastructure and related facilities. Activities include process control, safety and training, solids management, production of high quality effluent for recycling, regulatory reporting and compliance, laboratory analysis, preventive maintenance, and efficient operation. With the recent completion of the reorganization for the Division, a Central Maintenance Section was created under the Wastewater Operations Program. This section will allow the Division to prioritize and allocate the necessary resources to maintain, rehabilitate and/or replace equipment required for a reliable and efficient wastewater system.

This program also operates and maintains the Naval Air Station Kahului Airport (NASKA) wastewater pump station for the State of Hawaii Department of Transportation. A revolving repair account is funded by the state for the repair of the pump station. The budget summaries for the NASKA Wastewater Pump Station Revolving Fund are not presented in this document due to the nature of this revolving account. There are no budget appropriations in FY 2019 for this revolving fund.

### Countywide Outcome(s)

The Wastewater Operations Program supports the following countywide outcome(s):

- An Efficient, Effective, and Responsive Government
- Suitable Public Infrastructure
- A Prepared, Safe, and Livable County
- A Healthy and Sustainable Community

### Population Served

The Wastewater Operations Program serves sewer and water reuse customers in the County of Maui.

### Services Provided

The Wastewater Administration Program provides wastewater reclamation services in Central, South and West Maui; Kaunakakai, Molokai; and Lanai City.

### Key Activity Goals & Measures

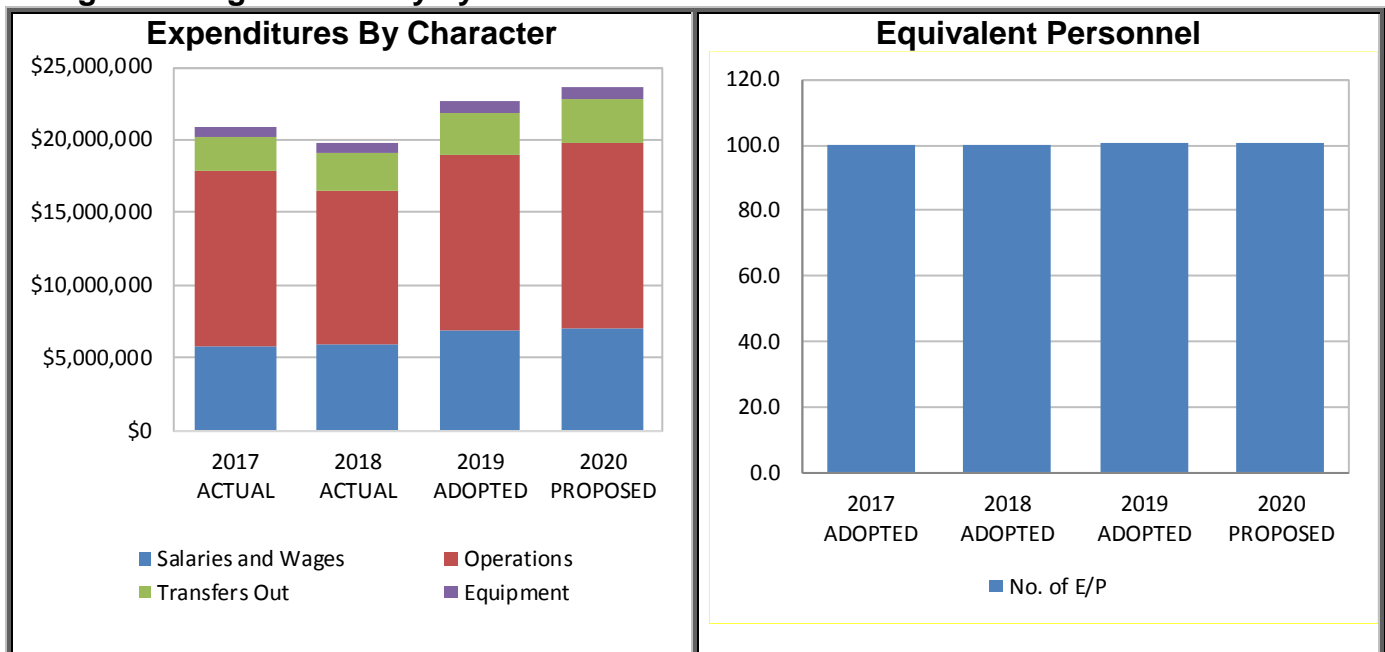
GOALS/OBJECTIVES	SUCCESS MEASUREMENTS	FY 2018 ACTUAL	FY 2019 ESTIMATE	FY 2020 ESTIMATE
<i>Goal #1: Provide reliable wastewater service.</i>				
1. Minimize wastewater impacts to the environment by minimizing the # of non-compliant regulatory days	% of wastewater successfully transported to the treatment plants	99.9917%	99.99%	99.99%
2. Satisfy regulatory requirements for treatment plants	# of non-compliance days	21	12	12
3. Satisfy regulatory requirements for reclaimed water	% of R-1 compliance days	99.9%	96%	96

## Wastewater Operations Program

## Key Activity Goals &amp; Measures (Cont'd)

GOALS/OBJECTIVES	SUCCESS MEASUREMENTS	FY 2018 ACTUAL	FY 2019 ESTIMATE	FY 2020 ESTIMATE
<i>Goal #2: Provide timely maintenance of facilities and equipment for long-term efficiency.</i>				
1. Complete on-time maintenance of existing mechanical equipment	% of preventive mechanical maintenance activities completed on-time	97%	100%	100%
2. Complete on-time maintenance of existing electrical equipment	% of preventive electrical maintenance activities completed on-time	98%	100%	100%
3. Complete on-time maintenance of existing collection system	% of preventive maintenance completed on-time	90%	100%	100%
<i>Goal #3: Encourage employee productivity and morale by developing employee skills and abilities and minimizing workplace injuries.</i>				
1. Conduct professional development sessions for each employee annually	# of professional development sessions per employee annually	2.66	12	12
2. Conduct safety training classes to each employee annually	# of safety training classes per employee annually	2.30	12	12

## Program Budget Summary by Fiscal Year – Sewer Fund





## Wastewater Operations Program

## Expenditures Summary by Character &amp; Object – Sewer Fund

CHARACTER/ OBJECT DESCRIPTION	2017 ACTUAL	2018 ACTUAL	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
<b>Salaries and Wages</b>						
WAGES & SALARIES	\$5,011,565	\$5,199,660	\$6,076,679	\$6,177,480	\$100,801	1.7%
OTHER PREMIUM PAY	\$727,714	\$676,066	\$834,522	\$783,792	-\$50,730	-6.1%
SALARY ADJUSTMENTS	\$0	\$0	\$0	\$7,258	\$7,258	N/A
<b>Salaries and Wages Total</b>	<b>\$5,739,278</b>	<b>\$5,875,726</b>	<b>\$6,911,201</b>	<b>\$6,968,530</b>	<b>\$57,329</b>	<b>0.8%</b>
<b>Operations</b>						
MATERIALS & SUPPLIES	\$3,064,640	\$4,401,250	\$4,889,015	\$5,289,015	\$400,000	8.2%
SERVICES	\$4,155,187	\$1,188,090	\$1,508,024	\$1,958,024	\$450,000	29.8%
UTILITIES	\$4,712,878	\$4,903,474	\$5,557,400	\$5,560,473	\$3,073	0.1%
TRAVEL	\$35,991	\$32,380	\$38,250	\$38,250	\$0	N/A
OTHER COSTS	\$102,521	\$130,817	\$36,500	\$36,500	\$0	N/A
NON-OPERATING EXPENSES	\$0	\$250	\$0	\$0	\$0	N/A
<b>Operations Total</b>	<b>\$12,071,217</b>	<b>\$10,656,260</b>	<b>\$12,029,189</b>	<b>\$12,882,262</b>	<b>\$853,073</b>	<b>7.1%</b>
<b>Transfers Out</b>						
OTHER GOVERNMENTAL FUNDS	\$2,398,274	\$2,542,992	\$0	\$0	\$0	N/A
SPECIAL REVENUE FUNDS	\$0	\$0	\$2,930,000	\$2,930,000	\$0	N/A
<b>Transfers Out Total</b>	<b>\$2,398,274</b>	<b>\$2,542,992</b>	<b>\$2,930,000</b>	<b>\$2,930,000</b>	<b>\$0</b>	<b>N/A</b>
<b>Equipment</b>						
MACHINERY & EQUIPMENT	\$719,280	\$657,525	\$757,000	\$861,200	\$104,200	13.8%
LEASE PURCHASES	\$2,652	\$3,347	\$7,400	\$7,400	\$0	N/A
<b>Equipment Total</b>	<b>\$721,933</b>	<b>\$660,873</b>	<b>\$764,400</b>	<b>\$868,600</b>	<b>\$104,200</b>	<b>13.6%</b>
<b>Program Total</b>	<b>\$20,930,702</b>	<b>\$19,735,849</b>	<b>\$22,634,790</b>	<b>\$23,649,392</b>	<b>\$1,014,602</b>	<b>4.5%</b>

## Equivalent Personnel Summary by Position Title – Sewer Fund

POSITION TITLE	2017 ADOPTED	2018 ADOPTED	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
Account Clerk II	1.0	1.0	1.0	1.0	0.0	N/A
Administrative Services Assistant II	1.0	1.0	1.0	1.0	0.0	N/A
Assistant Wastewater Treatment Operator	1.0	1.0	1.0	1.0	0.0	N/A
Assistant Wastewater Treatment Plant Operations/Maintenance Supervisor IV	2.0	2.0	2.0	2.0	0.0	N/A
Assistant Wastewater Treatment Plant Operator	21.0	21.0	21.0	21.0	0.0	N/A
Assistant Wastewater Treatment Plant Operator/Maintenance Supervisor IV	1.0	1.0	1.0	1.0	0.0	N/A
Building Maintenance Repairer I	0.0	0.0	1.0	1.0	0.0	N/A
Clerk III	1.0	1.0	1.0	1.0	0.0	N/A
Electronic Technician I	3.0	3.0	3.0	3.0	0.0	N/A
Electronic Technician II	1.0	1.0	1.0	1.0	0.0	N/A
Equipment Operator III	4.0	4.0	4.0	4.0	0.0	N/A
Molokai Wastewater System Operator/Maintenance Supervisor	1.0	1.0	1.0	1.0	0.0	N/A
Office Operations Assistant II	1.0	1.0	1.0	1.0	0.0	N/A
Painter I	1.0	1.0	1.0	1.0	0.0	N/A
Plant Electrical/Electronics Supervisor II	1.0	1.0	1.0	1.0	0.0	N/A
Plant Electrician/Electronics Repairer I	4.0	4.0	4.0	4.0	0.0	N/A
Plant Electrician/Electronics Repairer II	1.0	1.0	1.0	1.0	0.0	N/A
Sanitary Chemist	3.0	3.0	3.0	3.0	0.0	N/A
Sewer Maintenance Repairer I	10.0	10.0	10.0	10.0	0.0	N/A
Sewer Maintenance Repairer II	3.0	3.0	3.0	3.0	0.0	N/A
Sewer Maintenance Supervisor II	1.0	1.0	1.0	1.0	0.0	N/A
Supervising Sanitary Chemist	1.0	1.0	1.0	1.0	0.0	N/A

## Wastewater Operations Program

## Equivalent Personnel Summary by Position Title – Sewer Fund (Cont'd)

POSITION TITLE	2017 ADOPTED	2018 ADOPTED	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
Supervising Wastewater Treatment Plant Maintenance Mechanic	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Collection System Superintendent	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Maintenance Carpenter	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Operations Program Superintendent	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Tech Support Engineer	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Treatment Plant Operations/Maintenance Supervisor IV	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Treatment Plant Maintenance Coordinator	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Treatment Plant Maintenance Manager	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Treatment Plant Maintenance Mechanic I	9.0	9.0	9.0	9.0	0.0	N/A
Wastewater Treatment Plant Maintenance Mechanic II	3.0	3.0	3.0	3.0	0.0	N/A
Wastewater Treatment Plant Operations Manager	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Treatment Plant Operations/Maintenance Supervisor IV	2.0	2.0	2.0	2.0	0.0	N/A
Wastewater Treatment Plant Operator	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Treatment Plant Operator I	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Treatment Plant Operator III	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Treatment Plant Operator IV	2.0	2.0	2.0	2.0	0.0	N/A
Wastewater Treatment Plant Operator Trainee	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Treatment Plant Truck Driver	3.0	3.0	3.0	3.0	0.0	N/A
Wastewater Treatment Plant Truck Driver Supervisor	1.0	1.0	1.0	1.0	0.0	N/A
Wastewater Treatment Plant Worker	4.0	4.0	4.0	4.0	0.0	N/A
<b>Program Total</b>	<b>100.0</b>	<b>100.0</b>	<b>101.0</b>	<b>101.0</b>	<b>0.0</b>	<b>N/A</b>

## Continuation Budget Changes (+/- \$10,000) from FY 2019 Adopted Budget

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
<b>WAGES AND SALARIES:</b>		
919021A-5101 Regular Wages: Anticipated salary increase and hiring of WWTP Operations Manager position at a higher level.	\$30,372	
919023A-5101 Regular Wages: Reallocation of positions effective 2/2/18.	-\$29,040	
919029A-5101 Regular Wages: Increase per collective bargaining agreement.	\$19,656	
919033A-5101 Regular Wages: Increase per collective bargaining agreement	\$15,120	
919035A-5101 Regular Wages: Increase per collective bargaining agreement	\$10,644	
919044A-5101 Regular Wages: Increase per collective bargaining agreement and correction of steps for various positions.	\$56,401	
<b>OTHER PREMIUM PAY:</b>		
919029A-5250 Salary Adjustments: Deletion of one-time lump sum payments for BU 01 and 03/04.	-\$17,300	

## Wastewater Operations Program

## Continuation Budget Changes (+/- \$10,000) from FY 2019 Adopted Budget (Cont'd)

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>OTHER PREMIUM PAY (CONT'D):</b>		
919033A-5250 Salary Adjustments: Deletion of one-time lump sum payments for BU 01 and 03/04.	-\$10,000	
919035A-5250 Salary Adjustments: Deletion of one-time lump sum payments for BU 01 and 03/04.	-\$10,000	
919037A-5250 Salary Adjustments: Deletion of one-time lump sum payments for BU 01 and 03/04.	-\$10,000	
919039A-5250 Salary Adjustments: Deletion of one-time lump sum payments for BU 01 and 03/04.	-\$2,000	
919041A-5250 Salary Adjustments: Deletion of one-time lump sum payments for BU 01 and 03/04.	-\$3,000	
919044A-5250 Salary Adjustments: Deletion of one-time lump sum payments for BU 01 and 03/04.	-\$26,150	
<b>Operations</b>		
<b>MATERIALS AND SUPPLIES:</b>		
919044B-6016 Electrical parts & supplies: Increase to reflect recent expenditures.	\$400,000	
<b>SERVICES:</b>		
919046B-6132 Professional Services: Deletion of one-time FY19 appropriation.	-\$100,000	
919048B-6132 Professional Services: Deletion of one-time FY19 appropriation.	-\$50,000	
<b>Equipment</b>		
<b>MACHINERY AND EQUIPMENT:</b>		
919029C-7039 Maintenance & Repair Equipment: Deletion of one-time FY19 appropriation.	-\$10,000	
919033C-7039 Maintenance & Repair Equipment: Deletion of one-time FY19 appropriation.	-\$435,000	
919033C-7040 Motor Vehicles: Deletion of one-time FY19 appropriation.	-\$30,000	
919035C-7039 Maintenance & Repair Equipment: Deletion of one-time FY19 appropriation.	-\$5,000	
919035C-7040 Motor Vehicles: Deletion of one-time FY19 appropriation.	-\$30,000	
919035C-7044 Other Equipment: Deletion of one-time FY19 appropriation.	-\$60,000	
919037C-7039 Maintenance & Repair Equipment: Deletion of one-time FY19 appropriation.	-\$5,000	
919039C-7039 Maintenance & Repair Equipment: Deletion of one-time FY19 appropriation.	-\$5,000	
919041C-7039 Maintenance & Repair Equipment: Deletion of one-time FY19 appropriation.	-\$2,000	
919044C-7039 Maintenance & Repair Equipment: Deletion of one-time FY19 appropriation.	-\$25,000	
919044C-7040 Motor Vehicles: Deletion of one-time FY19 appropriation.	-\$150,000	

## Expansion Budget Request from FY 2019 Adopted Budget

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
<b>WAGES AND SALARIES:</b>		
919029A-5250 Salary Adjustments: Anticipated salary increase per Collective Bargaining	\$5,501	

## Wastewater Operations Program

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
<b>WAGES AND SALARIES:</b>		
919044A-5101 Regular Wages: Approved expansion position in FY 2019 for a Building Maintenance Repairer I.	\$37,163	1.0
<b>Operations</b>		
<b>SERVICES:</b>		
919046B-6132 Professional Services: Council added appropriation for a pump station inundation study.	\$100,000	
919048B-6132 Professional Services: Council added appropriation for an injection well alternative study.	\$50,000	
<b>Equipment</b>		
<b>MACHINERY AND EQUIPMENT:</b>		
919029C-7039 Maintenance & Repair Equip: Replacement of mechanical & electrical equipment.	\$10,000	
919033C-7039 Maintenance & Repair Equip: Purchase of \$80,000 wash press conveyor, \$125,000 aluminum generator housing, \$5,000 mechanical & electrical equipment, and \$225,000 for three generators.	\$435,000	
919033C-7040 Motor Vehicles: Purchase of Ford F250 truck.	\$30,000	

**Solid Waste Administration Program****Program Description**

The Department of Environmental Management, Solid Waste Division (SWD) is responsible for the overall management and support of the Residential Refuse Collection and Landfill Operations sections. In addition, the Administration section manages capital improvement projects, Operations engineering, regulatory compliance support, permit review processing, all fiscal activities, billing and collection of residential and commercial refuse accounts, and the Division's safety and training objectives.

Our mission is "To Provide Public Health, Safety and Environmental Protection of Maui County's Air, Land and Water Through Effective and Sustainable Solid Waste Management Practices, Resources and Dedicated Team".

SWD utilizes the following priorities for management of allotted resources:

**1<sup>st</sup> Safety**

- Employee safety
- Public and environmental safety
- Facility, equipment, and infrastructure safety

**2<sup>nd</sup> Regulatory Compliance/Environmental Protection**

- Meet all state, federal, and county regulatory requirements, permits, mandates, and procedures

**3<sup>rd</sup> Resource Management**

- Meet resource management needs for personnel, budget, equipment, and infrastructure to build and maintain reliability, sustainability, and efficiency

**4<sup>th</sup> Non-Safety, Non-Compliant Related Services/Programs**

- Expansion of services and programs, refuse collections on non-county roads, non-critical programs, beautification, landscaping, etc.

**Countywide Outcome(s)**

The Solid Waste Administration Program supports the following countywide outcome(s):

- An Efficient, Effective, and Responsive Government
- Suitable Public Infrastructure
- A Prepared, Safe, and Livable County
- A Healthy and Sustainable Community

**Population Served**

The Solid Waste Administration Program serves division personnel and all residents of Maui County.

**Services Provided**

The Solid Waste Division supports sections including administration, compliance, planning, engineering, fiscal, refuse collections, landfill operations, safety and training programs, 99 employees, capital improvement projects, and permit reviews. The Division operates 4 county owned landfills, 6 closed landfills, provides residential refuse collection to > 26,700 accounts and 2,600 routes/year, manages 19 permits and related regulatory compliance countywide, landfills 200,000 tons/year, and currently processes > 20,000 tons/ year of construction and demolition (C&D) material.

## Solid Waste Administration Program

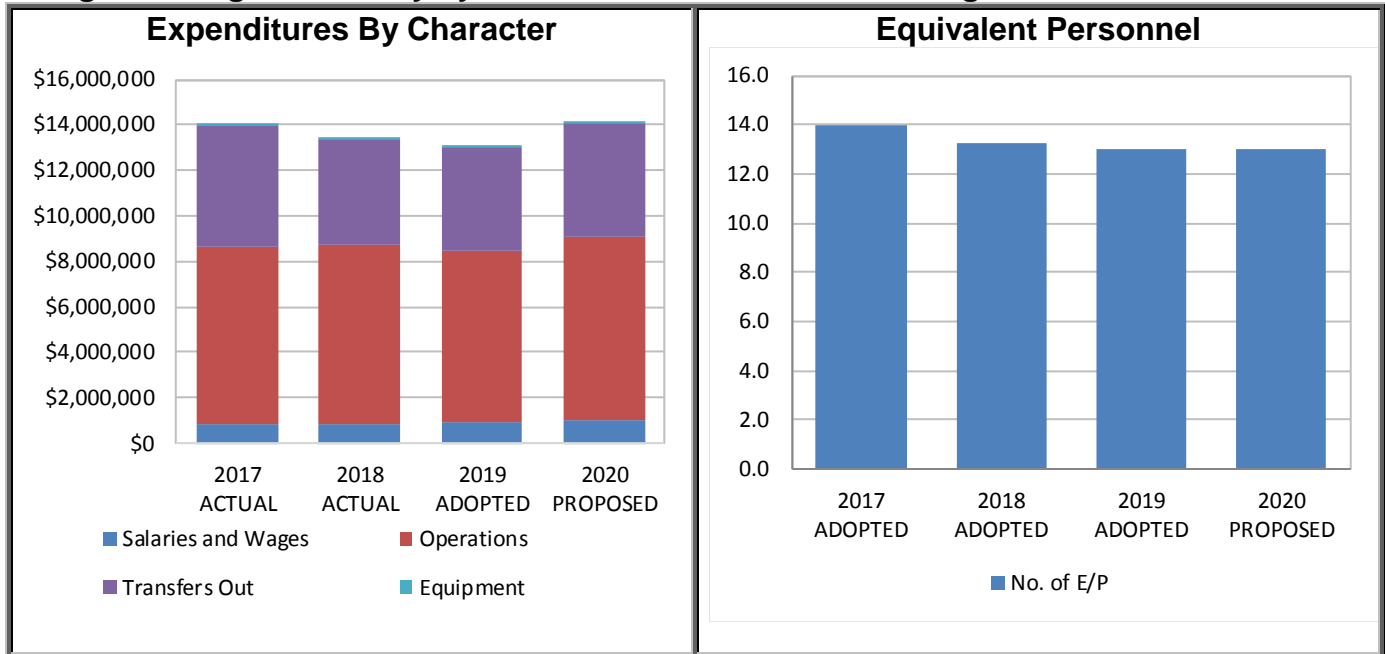
## Key Activity Goals &amp; Measures

GOALS/OBJECTIVES	SUCCESS MEASUREMENTS	FY 2018 ACTUAL	FY 2019 ESTIMATE	FY 2020 ESTIMATE
<i>Goal #1: Provide cost effective Division management.</i>				
1. Maintain efficient fiscal management <sup>1</sup>	Total cost per ton processed at each landfill (Tonnage data utilized includes landfilled tonnages that are not charged a tipping fee, such as residential self-haul, County residential collection, landfill waivers, and other County entities)	Central: \$56	\$61	\$60
		Hana: \$1,613	\$1,957	\$1,731
		Molokai: \$449	\$466	\$482
		Lanai: \$310	\$321	\$333
	Weighted average cost of all landfills	\$79	\$82	\$85
	Cost/month for refuse collection only, per account	\$27	\$28	\$29
	Total cost/month for refuse collection and associated landfilling (1.8 tons/account/year)	\$39	\$41	\$42
<i>Goal #2: Provide sustainable Solid Waste Division infrastructure.</i>				
1. Maintain and adhere to the SWD CIP plan	% of CIP design and construction projects on schedule	100%	100%	100%
<i>Goal #3: Provide a safe workplace environment.</i>				
1. Provide safety training to Division employees annually	# of safety training classes per employee annually	56	56	56

<sup>1</sup>FY 2019 Estimate and FY 2020 Goal are based upon 3.6% inflation factor provided by US Bureau of Labor Statistics- FY 2018

## Solid Waste Administration Program

## Program Budget Summary by Fiscal Year – Solid Waste Management Fund



## Expenditures Summary by Character &amp; Object – Solid Waste Management Fund

SW-Admin

CHARACTER/ OBJECT DESCRIPTION	2017 ACTUAL	2018 ACTUAL	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
<b>Salaries and Wages</b>						
WAGES & SALARIES	\$753,039	\$797,384	\$921,540	\$921,600	\$60	0.0%
OTHER PREMIUM PAY	\$64,757	\$38,977	\$45,600	\$72,648	\$27,048	59.3%
<b>Salaries and Wages Total</b>	<b>\$817,796</b>	<b>\$836,361</b>	<b>\$967,140</b>	<b>\$994,248</b>	<b>\$27,108</b>	<b>2.8%</b>
<b>Operations</b>						
MATERIALS & SUPPLIES	\$29,181	\$11,658	\$19,816	\$19,816	\$0	N/A
SERVICES	\$3,104	\$10,066	\$18,500	\$18,500	\$0	N/A
UTILITIES	\$6,199	\$5,228	\$2,958	\$2,958	\$0	N/A
TRAVEL	\$3,607	\$3,980	\$8,055	\$8,055	\$0	N/A
OTHER COSTS	\$248,385	\$257,663	\$261,565	\$261,565	\$0	N/A
INTERFUND COST RECLASSIFICATION	\$7,546,520	\$7,567,514	\$7,217,697	7,808,802	\$591,105	8.2%
<b>Operations Total</b>	<b>\$7,836,997</b>	<b>\$7,856,109</b>	<b>\$7,528,591</b>	<b>\$8,119,696</b>	<b>\$591,105</b>	<b>7.9%</b>
<b>Transfers Out</b>						
GENERAL FUND	\$5,381,931	\$4,710,362	\$4,531,920	\$4,970,006	\$438,086	9.7%
<b>Transfers Out Total</b>	<b>\$5,381,931</b>	<b>\$4,710,362</b>	<b>\$4,531,920</b>	<b>\$4,970,006</b>	<b>\$438,086</b>	<b>9.7%</b>
<b>Equipment</b>						
MACHINERY & EQUIPMENT	\$0	\$34,946	\$29,000	\$28,000	-\$1,000	-3.4%
LEASE PURCHASES	\$7,173	\$9,100	\$9,530	\$9,530	\$0	N/A
<b>Equipment Total</b>	<b>\$7,173</b>	<b>\$44,046</b>	<b>\$38,530</b>	<b>\$37,530</b>	<b>-\$1,000</b>	<b>-2.6%</b>
<b>Program Total</b>	<b>\$14,043,897</b>	<b>\$13,446,878</b>	<b>\$13,066,181</b>	<b>\$14,121,480</b>	<b>\$1,055,299</b>	<b>8.1%</b>

\*\*Note: Expenditures include fringe benefits, overhead, and debt service costs.

## Solid Waste Administration Program

## Equivalent Personnel Summary by Position Title – Solid Waste Management Fund

POSITION TITLE	2017 ADOPTED	2018 ADOPTED	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
Accountant III	1.0	1.0	1.0	1.0	0.0	N/A
Accountant IV	1.0	1.0	1.0	1.0	0.0	N/A
Assistant Division Chief	1.0	1.0	1.0	0.0	-1.0	-100.0%
Civil Engineer IV	2.0	2.0	2.0	2.0	0.0	N/A
Civil Engineer V	1.0	0.3	0.0	0.0	0.0	N/A
Civil Engineer VI	1.0	1.0	1.00	1.0	0.00	N/A
Customer Service Representative II	2.0	2.0	2.0	2.0	0.0	N/A
Environmental Compliance Specialist	1.0	1.0	1.0	1.0	0.0	N/A
Mechanical Engineer III	0.0	0.0	0.0	1.0	1.0	N/A
Office Operations Assistant II	1.0	1.0	1.0	1.0	0.0	N/A
Safety Specialist I	1.0	1.0	1.0	1.0	0.0	N/A
Secretary II	1.0	1.0	1.0	1.0	0.0	N/A
Solid Waste Division Chief	1.0	1.0	1.0	1.0	0.0	N/A
<b>Program Total</b>	<b>14.0</b>	<b>13.3</b>	<b>13.00</b>	<b>13.0</b>	<b>0.00</b>	<b>N/A</b>

## Continuation Budget Changes (+/- \$10,000) from FY 2019 Adopted Budget

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
<b>WAGES AND SALARIES:</b>		
919509A-5101 Regular Wages: Position transferred to Solid Waste Operations Program (919509A) and from Solid Waste Operations Program (919509A) due to reorg; reallocated position from Operations Program Manager, SR-28K to Mechanical Engineer III, SR-22M due to reorg.	-\$14,016	0.0
<b>Operations</b>		
<b>INTERFUND COST RECLASSIFICATION:</b>		
919505B-7510 General Fund: Increase due to debt service payment.	\$438,086	
919501B-6314 Social Security - FICA: Based on CY2019 Employee Fringe Benefit Rates issued by Finance, 11/1/2018.	\$51,950	
919501B-6370 Retirement System Charges: Adjusted due to ERS spiking bills, same as prior year.	\$110,517	
919503B-6320 Hawaii Employer-Union Trust Fd: Anticipated increase in EUTF premiums; same as prior year.	\$98,901	
919507B-6350 Overhead Charges/Admin Cost: Based on cost allocation plan, Matrix, 7/20/2017	\$305,128	
919535B-6383 OPEB Contributions: Based on CY2019 Employee Fringe Benefit Rates issued by Finance, 11/1/2018.	\$24,609	
<b>Equipment</b>		
919500C-7030 Communication Equipment: Deletion of one-time FY19 appropriation.	-\$15,000	
919500C-7040 Motor Vehicles: Deletion of one-time FY19 appropriation.	-\$14,000	



## Solid Waste Administration Program

## Expansion Budget Request from FY 2019 Adopted Budget

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
919500A-5250 Salary Adjustments: Anticipated salary increase per Collective Bargaining	\$27,648	0.0
<b>Operations</b>		
None	\$0	
<b>Equipment</b>		
<b>MACHINERY AND EQUIPMENT:</b>		
919500C-7030 Communication Equipment: Purchase Motorola Handheld Communication Radios	\$28,000	
<b>TOTAL EXPANSION BUDGET</b>	<b>\$55,648</b>	<b>0.0</b>

## Solid Waste Operations Program

**Program Description**

The Department of Environmental Management, Solid Waste Division Operations is responsible for residential refuse collection, the management and operation of four active sanitary landfills (Hana, Molokai, Lanai and Central Maui), one convenience center (refuse/recycling transfer station) in Olowalu, one convenience center at the Hana Landfill, one convenience center at the Central Maui Landfill, and six closed landfills (Kalamaula, Olowalu, Waikapu, Makani, and CML Phase I & II).

**Countywide Outcome(s)**

The Solid Waste Operations Program supports the following countywide outcome(s):

- An Efficient, Effective, and Responsive Government
- Suitable Public Infrastructure
- A Healthy and Sustainable Community

**Population Served**

The Solid Waste Operations Program serves all residents and commercial entities within Maui County.

**Services Provided**

Solid Waste Operation supports 82 employees, operates 4 county owned landfills, 6 closed landfills, provides residential refuse collection to > 26,700 accounts and 2,600 routes/year, manages > 20 permits and related regulatory compliance countywide, landfills 200,000 tons/year, and currently processes > 20,000 tons/year of construction and demolition (C&D) material.

**Key Activity Goals & Measures**

GOALS/OBJECTIVES	SUCCESS MEASUREMENTS	FY 2018 ACTUAL	FY 2019 ESTIMATE	FY 2020 ESTIMATE
<i>Goal #1: Maintain a minimum landfill capacity and ensure that all landfills are maintained and operated in accordance with local, state, and federal solid waste regulations.</i>				
1. Maintain capacity for disposal	Total tons landfilled/year (not including construction & demolition (C&D) tons listed below)	194,448	198,000	202,000
	Total C&D tonnage estimated to be added to CML	\$23,427	21,000	20,000
2. Perform annual landfill surveys and capacity studies	Central remaining years	2	3.5	2.5
	Hana remaining years (Est. 8 years conversion to transfer station)	58.5	45	44
	Molokai remaining years	5.5	4.5	3.5
	Lanai remaining years	12.1	18	17
3. Maintain acceptable levels of regulatory compliance within approved resources	# of Department of Health (DOH) notice of violations due to non-compliance	0	0	0

## Solid Waste Operations Program

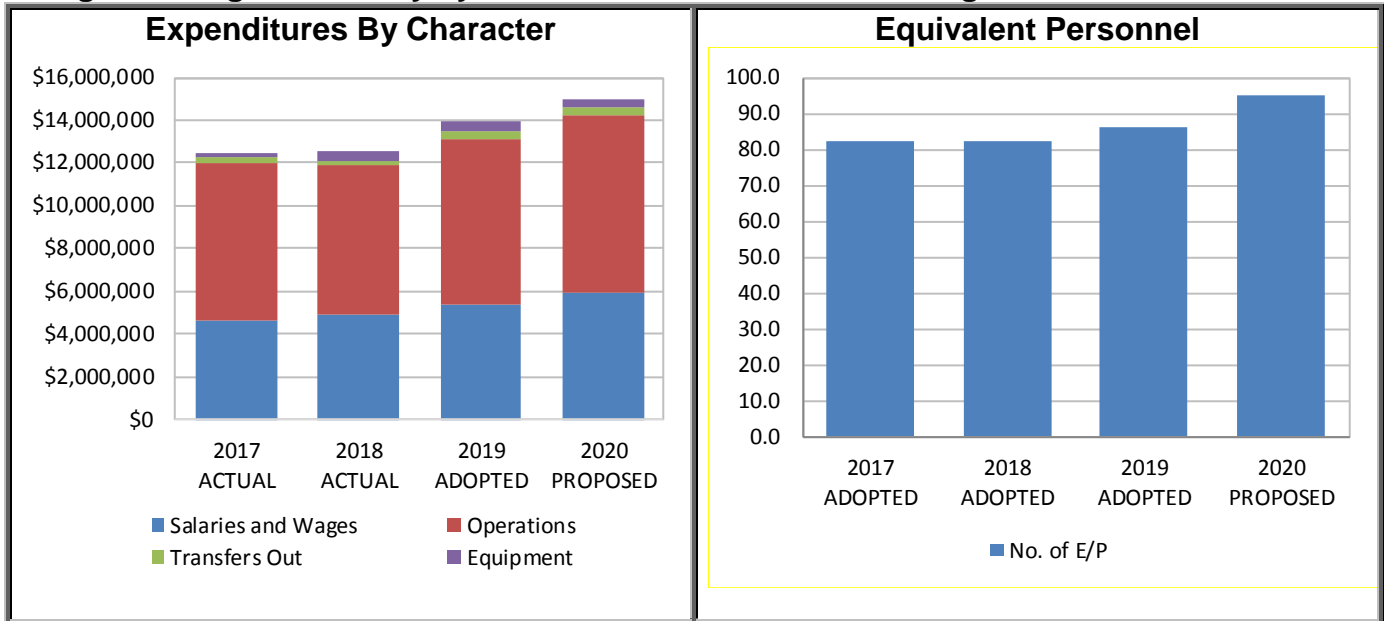
## Key Activity Goals &amp; Measures (Cont'd)

GOALS/OBJECTIVES	SUCCESS MEASUREMENTS	FY 2018 ACTUAL	FY 2019 ESTIMATE	FY 2020 ESTIMATE
<i>Goal #1: Maintain a minimum landfill capacity and ensure that all landfills are maintained and operated in accordance with local, state, and federal solid waste regulations (Cont'd).</i>				
4. Maintain an acceptable # of days the landfills are open. Goal is to remain open 98% of the time	# of days where any of the 4 landfills experience a full day closure	0	0	0
	# of days where any of the 4 landfills experience a partial day closure <sup>1</sup>	24	21	21
<i>Goal #2: Generate and utilize renewable energy at all active landfills.</i>				
1. Maintain existing and develop new renewable energy facilities at the SWD landfills	Total # of alternative energy and PV lighting installed	5	5	5
<i>Goal #3: Collect and landfill residential solid waste safely &amp; efficiently, and provide responsive service to all residents.</i>				
1. Provide responsive service and customer satisfaction by maintaining minimum acceptable rescheduled pickups (Total # of routes per year: 3,952. Goal is 99% on scheduled collections)	# of rescheduled routes due to the following:			
	Mechanical	13	13	13
	Labor Shortage	27	27	27
	Other (e.g., emergencies, storm/hurricane, landfill closure, road closure, unsafe conditions, etc.)	0	46	0

<sup>1</sup>Based on 4 open landfills, the county has 1,058 normally scheduled open days per year (2% x 1,058=21 days). Most partial closures are at Molokai, Lanai and Hana and are for 1.5 hours only.

## Solid Waste Operations Program

## Program Budget Summary by Fiscal Year – Solid Waste Management Fund



## Expenditures Summary by Character &amp; Object – Solid Waste Management Fund

CHARACTER/ OBJECT DESCRIPTION	2017 ACTUAL	2018 ACTUAL	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
<b>Salaries and Wages</b>						
WAGES & SALARIES	\$3,875,474	\$4,195,589	\$4,615,150	\$5,110,122	\$494,972	10.7%
OTHER PREMIUM PAY	\$790,017	\$701,182	\$739,762	\$787,599	\$47,837	6.5%
<b>Salaries and Wages Total</b>	<b>\$4,665,490</b>	<b>\$4,896,771</b>	<b>\$5,354,912</b>	<b>\$5,897,721</b>	<b>\$542,809</b>	<b>10.1%</b>
<b>Operations</b>						
MATERIALS & SUPPLIES	\$1,424,980	\$1,448,088	\$1,770,132	\$1,996,644	\$226,512	12.8%
SERVICES	\$3,093,763	\$3,491,486	\$3,355,331	\$3,511,522	\$156,191	4.7%
UTILITIES	\$105,690	\$97,213	\$119,451	\$119,898	\$447	0.4%
TRAVEL	\$24,189	\$27,304	\$32,340	\$34,340	\$2,000	6.2%
OTHER COSTS	\$2,644,532	\$1,918,666	\$2,524,445	\$2,712,913	\$188,468	7.5%
<b>Operations Total</b>	<b>\$7,293,154</b>	<b>\$6,982,758</b>	<b>\$7,801,699</b>	<b>\$8,375,317</b>	<b>\$573,618</b>	<b>7.4%</b>
<b>Transfers Out</b>						
SPECIAL REVENUE FUNDS	\$340,000	\$192,981	\$340,000	\$340,000	\$0	N/A
<b>Transfers Out Total</b>	<b>\$340,000</b>	<b>\$192,981</b>	<b>\$340,000</b>	<b>\$340,000</b>	<b>\$0</b>	<b>N/A</b>
<b>Equipment</b>						
MACHINERY & EQUIPMENT	\$124,190	\$465,706	\$481,000	\$387,000	-\$94,000	-19.5%
LEASE PURCHASES	\$0	\$2,000	\$1,860	\$1,860	\$0	N/A
<b>Equipment Total</b>	<b>\$124,190</b>	<b>\$467,706</b>	<b>\$482,860</b>	<b>\$388,860</b>	<b>-\$94,000</b>	<b>-19.5%</b>
<b>Program Total</b>	<b>\$12,422,834</b>	<b>\$12,540,216</b>	<b>\$13,979,471</b>	<b>\$15,001,898</b>	<b>\$1,022,427</b>	<b>7.3%</b>

## Equivalent Personnel Summary by Position Title – Solid Waste Management Fund

POSITION TITLE	2017 ADOPTED	2018 ADOPTED	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
Administrative Services Assistant I	1.0	1.0	1.0	1.0	0.0	N/A
Cashier I	4.0	4.0	4.0	4.0	0.0	N/A
Clerk III	2.0	2.0	2.0	2.0	0.0	N/A
Laborer I	0.0	0.0	3.0	7.0	4.0	133.3%
Landfill Attendant	12.0	12.0	12.0	14.0	2.0	16.7%
Landfill Equipment Operator I	12.0	12.0	12.0	12.0	0.0	N/A

## Solid Waste Operations Program

Equivalent Personnel Summary by Position Title – Solid Waste Management Fund  
(Cont'd)

POSITION TITLE	2017 ADOPTED	2018 ADOPTED	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
Landfill Equipment Operator II	4.0	4.0	5.0	5.0	0.0	N/A
Landfill Operations Supervisor	1.0	1.0	1.0	1.0	0.0	N/A
Landfill Worksite Supervisor I	1.0	1.0	1.0	1.0	0.0	N/A
Maintenance Coordinator	0.0	0.0	0.0	0.0	0.0	N/A
Mechanical Engineer III	1.0	1.0	1.0	0.0	-1.0	-100.0%
Operations Program Superintendant	0.0	0.0	0.0	1.0	1.0	N/A
Refuse Collection Crew Leader II	6.0	6.0	6.0	6.0	0.0	N/A
Refuse Collection Equipment Operator	18.0	18.0	18.0	18.0	0.0	N/A
Refuse Collector	15.0	15.0	15.0	15.0	0.0	N/A
Solid Waste Collection Superintendent	1.0	1.0	1.0	1.0	0.0	N/A
Solid Waste Collection Supervisor I	3.0	3.0	3.0	3.0	0.0	N/A
Solid Waste Operations Manager	1.0	1.0	1.0	1.0	0.0	N/A
Landfill Operator	0.0	0.0	0.0	3.0	3.0	N/A
<b>Program Total</b>	<b>82.0</b>	<b>82.0</b>	<b>86.0</b>	<b>95.0</b>	<b>9.0</b>	<b>10.5%</b>

## Continuation Budget Changes (+/- \$10,000) from FY 2019 Adopted Budget

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
<b>WAGES AND SALARIES:</b>		
919509A-5101 Regular Wages: Increase per collective bargaining agreement, increase Laborer I and Landfill Equipment Operator II to full-year salary and position transferred to Solid Waste Admin Program (919500A) and from Solid Waste Admin Program (919500A) and reallocated from Assistant Division Chief, EM-05 to Operations Program Superintendent, due to reorg.	\$79,982	0.0
919521A-5101 Regular Wages: Position transfer, redescription of positions and increase per collective bargaining agreement	\$24,264	0.0
919523A-5101 Regular Wages: Position transfer to Wailuku, position reallocation; offset by salary increase per collective bargaining agreement	-\$12,072	-1.0
<b>OTHER PREMIUM PAY:</b>		
919509A-5250 Salary Adjustments: Deletion of one-time lump sum payments for BU 01 and 03/04.	-\$16,750	
919521A-5250 Salary Adjustments: Deletion of one-time lump sum payments for BU 01 and 03/04.	-\$18,300	
919523A-5250 Salary Adjustments: Deletion of one-time lump sum payments for BU 01 and 03/04.	-\$14,150	
919524A-5250 Salary Adjustments: Deletion of one-time lump sum payments for BU 01 and 03/04.	-\$7,000	
<b>Operations</b>		
<b>MATERIALS AND SUPPLIES:</b>		
919511B-6057 Tires & Tubes: Based on historical expenses	-\$10,000	
919521B-6035 Miscellaneous Supplies: Deletion of one-time appropriation for cart replacements (FY19)	-\$41,500	
<b>SERVICES:</b>		
919521B-6132 Professional Services: Deletion of one-time appropriation for iNovah project	-\$97,000	

## Solid Waste Operations Program

## Continuation Budget Changes (+/- \$10,000) from FY 2019 Adopted Budget (Cont'd)

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Equipment</b>		
<b>MACHINERY AND EQUIPMENT:</b>		
919509C-7040 Motor Vehicles: Deletion of one-time FY19 appropriation.	-\$15,000	
919509C-7044 Other Equipment: Deletion of one-time FY19 appropriation.	-\$36,000	
919513C-7044 Other Equipment: Deletion of one-time FY19 appropriation.	-\$25,000	
919515C-7040 Motor Vehicles: Deletion of one-time FY19 appropriation.	-\$55,000	
919523C-7044 Other Equipment: Deletion of one-time FY19 appropriation.	-\$350,000	

## Expansion Budget Request from FY 2019 Adopted Budget

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
<b>WAGES AND SALARIES:</b>		
919509A-5101 Regular Wages: Proposed expansion positions, 3.0 E/P Landfill Operators, 2.0 E/P Landfill Attendants, and 4.0 E/P Laborer I	\$159,080	9.0
<b>OTHER PREMIUM PAY:</b>		
919509A-5215 Premium Pay: Expansion for Sunday Landfill	\$30,000	
919509A-5250 Salary Adjustments: Anticipated salary increase per Collective Bargaining	\$12,799	
919509A-5250 Salary Adjustments: Anticipated salary increase per Collective Bargaining	\$2,997	
919521A-5215 Premium Pay: Based on historical expenses	\$50,000	
919521A-5250 Salary Adjustments: Anticipated salary increase per Collective Bargaining	\$6,513	
919523A-5250 Salary Adjustments: Anticipated salary increase per Collective Bargaining	\$1,939	
919524A-5215 Premium Pay: Based on historical expenses	\$10,000	
919524A-5250 Salary Adjustments: Anticipated salary increase per Collective Bargaining	\$1,939	
<b>Operations</b>		
<b>MATERIALS AND SUPPLIES:</b>		
919509B-6022 Gasoline, Diesel, Oil, etc.: Expansion for Sunday Landfill	\$6,549	
919509B-6034 Medical & Safety Supplies: Expansion positions, Uniform, PPE	\$18,000	
919509B-6057 Tires & Tubes: Expansion for Sunday Landfill	\$963	
919509B-6059 Traffic Signs: Expansion for Sunday Landfill	\$1,000	
919521B-6035 Miscellaneous Supplies: Continue replacement of carts that are well past their warranty period (FY20). 3,00 new carts for the 3 expansion automated routes at est. \$70/cart (FY20)	\$251,500	
<b>SERVICES:</b>		
919509B-6112 Contractual Service: Based on historical expenses avg for last 3 years	\$90,000	
919509B-6132 Professional Services:	\$23,000	
919509B-6138 R&M - Services/Contracts: Expansion for Sunday Landfill	\$9,379	
919509B-6139 Repairs & Maintenance - Others: Expansion for Sunday Landfill	\$5,968	
919511B-6112 Contractual Service: Operation of the expansion wood chipper	\$50,000	

## Solid Waste Operations Program

## Expansion Budget Request from FY 2019 Adopted Budget (Cont'd)

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Operations</b>		
<b>SERVICES:</b>		
919511B-6138 R&M - Services/Contracts: Based on historical expenses.	\$16,000	
919511B-6139 Repairs & Maintenance: Based on historical expenses.	\$27,000	
919513B-6127 Laboratory Services: Permit required environmental laboratory testing for leachate and stormwater.	\$5,000	
919513B-6135 Repairs & Maintenance: One-time trailer repairs. Repairing interior paneling and fix shower stall.	\$8,800	
919521B-6112 Contractual Service: Lockbox services	\$3,000	
919521B-6132 Professional Services: Based on historical expenses	\$25,000	
<b>TRAVEL:</b>		
919513B-6204 Mileage & Allow Rptble Non-Tax: Based on historical expenses	\$2,000	
<b>OTHER COSTS:</b>		
919509B-6212 Dues: Solid Waste Surcharge paid to DOH. Tonnages have increased.	\$8,500	
919509B-6255 Uniform Allowance: Uniform maintenance allowance per Unit 1. Also four new employees will be hired in FY19.	\$5,500	
919509B-6276 Landfill Cover Costs: Expansion for Sunday Landfill	\$84,868	
919511B-6255 Uniform Allowance: Uniform maintenance allowance per Unit 1.	\$1,000	
919513B-6255 Uniform Allowance: Uniform maintenance allowance per Unit 1.	\$1,600	
919513B-6276 Landfill Cover Costs: Cover soil contract increase from \$17/ton to \$21 ton.	\$43,000	
919515B-6255 Uniform Allowance: Uniform maintenance allowance per Unit 1.	\$1,000	
919521B-6250 Training Fees/Seminars: \$18K for refuse collection safety training program; \$25K for refuse operations training	\$43,000	
<b>Equipment</b>		
<b>MACHINERY AND EQUIPMENT:</b>		
919509C-7040 Motor Vehicles: Replace ATVs (3).	\$54,000	
919509C-7044 Other Equipment: 40 CY Roll off container	\$170,000	
919511C-7044 Other Equipment: \$21,000 Refurbished, Painted, Storage container (3); \$70,000 diesel, trailer mounted, wood chiffer	\$91,000	
919513C-7044 Other Equipment: 20" Refurbished, Painted, Storage Container	\$7,000	
919521C-7040 Motor Vehicles: Flatbed Truck with lift gate	\$65,000	
<b>TOTAL EXPANSION BUDGET</b>	<b>\$1,393,894</b>	<b>9.0</b>

## Environmental Protection and Sustainability Program

**Program Description**

The Environmental Protection and Sustainability Division (EP&S) is responsible for protecting the environment and promoting sustainability throughout the county. The EP&S includes diversion operations previously managed by the Solid Waste Division. The Landfill Diversion section works to divert waste from being landfilled through recycling programs and other waste reduction and diversion efforts. Expanded programing includes focus on mandated efforts to “guide efforts to optimize opportunities for environmental, natural resource protection, sustainability, conservation, and restoration.”

**Countywide Outcome(s)**

The Sustainability Program supports the following countywide outcome(s):

- An Efficient, Effective, and Responsive Government
- A Strong Diversified Economy
- Suitable Public Infrastructure
- A Prepared, Safe, and Livable County
- A Healthy and Sustainable Community

**Population Served**

The Environmental Protection and Sustainability Division serves the entire population of Maui County through its promotion of environmental protection and sustainability.

**Services Provided**

The Environmental Protection and Sustainability Division currently supports waste reduction, litter control, and various methods of materials recycling and diversion of waste that would otherwise be landfilled such as plastics, glass, newspaper, cardboard, metals, green waste, abandoned vehicles, and household hazardous waste. Intended expansions include development and management of programs which may include promotion of environmental issues, sustainability education, a community sustainability initiatives grant program, and partnerships with other governmental agencies and organizations.

**Key Activity Goals & Measures**

GOALS/OBJECTIVES	SUCCESS MEASUREMENTS	FY 2018 ACTUAL	FY 2019 ESTIMATE	FY 2020 ESTIMATE
<i>Goal #1: Provide cost effective division management.</i>				
1. Maintain efficient fiscal management	Total tons diverted/ recycled per year under county funded projects (212,000 total tons est. to be landfilled in FY18)	64,850	65,000	65,000
	Estimated total tons diverted/recycled per year under non-county funded projects	50,000	50,000	50,000
	Diversion rate (diversion rate dependent upon FY 2019 funding availability)	37.1%	35%	35%

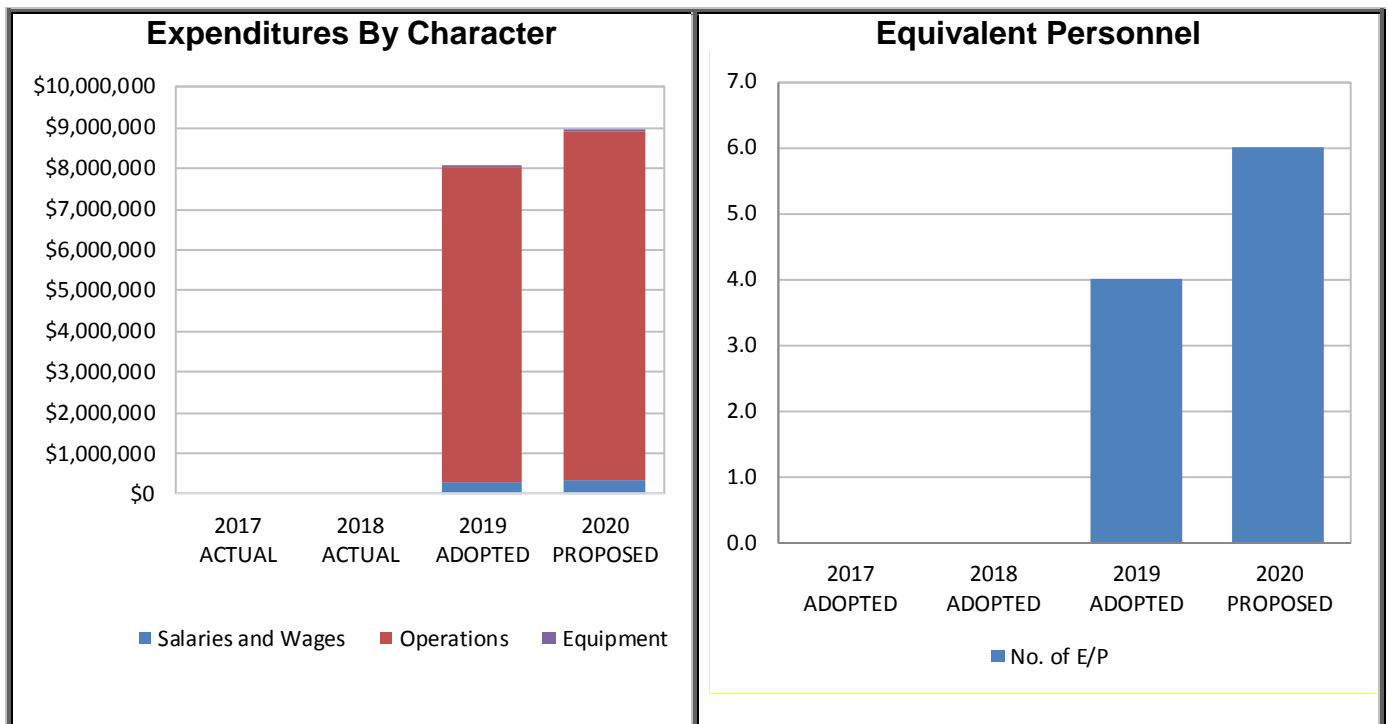


## Environmental Protection and Sustainability Program

## Key Activity Goals &amp; Measures (Cont'd)

GOALS/OBJECTIVES	SUCCESS MEASUREMENTS	FY 2018 ACTUAL	FY 2019 ESTIMATE	FY 2020 ESTIMATE
<i>Goal #2: Protect the safety of the public and the environment through the collection, processing, and disposal of abandoned vehicles, white goods, scrap metals, and related materials throughout the county.</i>				
1. Remove abandoned vehicles within two business days from the time the police report is received	Average # of business days needed to remove abandoned vehicles from the time the police report is received	2.3	2	2
2. Coordinate the collection and recycling of white goods, tires, batteries, and vehicles on Lanai	# of events conducted annually on Lanai	2	2	2
3. Coordinate the collection and recycling of white goods, tires and batteries in Hana	# of events conducted annually in Hana	3	3	3
4. Maintain efficient fiscal management	% of paid accounts from total # of outstanding accounts	N/A	30%	30%

## Program Budget Summary by Fiscal Year – Environmental Protection and Sustainability Fund



## Environmental Protection and Sustainability Program

## Expenditure Summary by Character &amp; Object – Environmental Protection and Sustainability Fund

CHARACTER/ OBJECT DESCRIPTION	2017 ACTUAL	2018 ACTUAL	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
<b>Salaries and Wages</b>						
WAGES & SALARIES	\$0	\$0	\$293,424	\$321,287	\$27,863	9.5%
OTHER PREMIUM PAY	\$0	\$0	\$7,500	\$26,251	\$18,751	250.0%
<b>Salaries and Wages Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$300,924</b>	<b>\$347,538</b>	<b>\$46,614</b>	<b>15.5%</b>
<b>Operations</b>						
MATERIALS & SUPPLIES	\$0	\$0	\$66,813	\$66,813	\$0	N/A
SERVICES	\$0	\$0	\$6,558,449	\$6,558,449	\$0	N/A
UTILITIES	\$0	\$0	\$5,958	\$6,015	\$57	1.0%
TRAVEL	\$0	\$0	\$4,478	\$4,478	\$0	N/A
OTHER COSTS	\$0	\$0	\$712,720	\$712,720	\$0	N/A
Special Revenue Funds	\$0	\$0	\$0	\$627,217	\$627,217	N/A
Interfund Cost Reclassificatio	\$0	\$0	\$402,316	\$594,653	\$192,337	47.8%
<b>Operations Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,750,734</b>	<b>\$8,570,345</b>	<b>\$819,611</b>	<b>10.6%</b>
<b>Equipment</b>						
MACHINERY & EQUIPMENT	\$0	\$0	\$26,000	\$6,000	-\$20,000	-76.9%
LEASE PURCHASES	\$0	\$0	\$2,000	\$2,000	\$0	N/A
<b>Equipment Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$28,000</b>	<b>\$8,000</b>	<b>-\$20,000</b>	<b>-71.4%</b>
<b>Program Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,079,658</b>	<b>\$8,925,883</b>	<b>\$846,225</b>	<b>N/A</b>

## Equivalent Personnel Summary by Position Title – Environmental Protection and Sustainability Fund

POSITION TITLE	2017 ADOPTED	2018 ADOPTED	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
Environmental Program Specialist	0.0	0.0	0.0	1.0	1.0	N/A
Office Operations Assistant II	0.0	0.0	0.0	1.0	1.0	N/A
Recycling Program Coordinator	0.0	0.0	1.0	1.0	0.0	N/A
Recycling Specialist II	0.0	0.0	1.0	1.0	0.0	N/A
Recycling Specialist IV	0.0	0.0	2.0	2.0	0.0	N/A
<b>Program Total</b>	<b>0.0</b>	<b>0.0</b>	<b>4.0</b>	<b>6.0</b>	<b>2.0</b>	<b>50.0%</b>

## Environmental Protection and Sustainability Program

## Continuation Budget Changes (+/- \$10,000) from FY 2019 Adopted Budget

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
<b>WAGES AND SALARIES:</b>		
919725A-5101 Regular Wages: Filled position at a lower step and anticipated step movement.	-\$25,704	0.0
<b>OTHER PREMIUM PAY:</b>		
919730A-5215 Premium Pay:	\$12,372	
<b>Operations</b>		
<b>INTERFUND COST RECLASSIFICATION:</b>		
919750B-6314 Social Security - FICA: Based on CY2019 Employee Fringe Benefit Rates issued by Finance, 11/1/2018.	\$33,886	
919750B-6370 Retirement System Charges: Adjusted due to ERS spiking bills, same as prior year.	\$23,122	
919752B-6320 Hawaii Employer-Union Trust Fd: Anticipated increase in EUTF premiums; same as prior year.	\$36,584	
919754B-6350 Overhead Charges/Admin Cost: Based on cost allocation plan, Matrix, 7/20/2017	\$82,124	
919756B-6383 OPEB Contributions: Based on CY2019 Employee Fringe Benefit Rates issued by Finance, 11/1/2018.	\$16,621	
<b>Equipment</b>		
919730C-7044 Other Equipment: Deletion of one-time FY19 appropriation.	-\$26,000	

## Expansion Budget Request from FY 2019 Adopted Budget

EXPLANATION OF BUDGET CHANGES	CHANGE AMOUNT	CHANGE E/P
<b>Salaries and Wages</b>		
<b>WAGES AND SALARIES:</b>		
919725A-5101 Regular Wages: Proposed expansion positions for an Environmental Program Specialist and Office Operations Assistant II.	\$57,743	2.0
<b>OTHER PREMIUM PAY:</b>		
919725A-5215 Premium Pay: Anticipated increase in bargaining unit agreement.	\$2,092	
919730A-5215 Premium Pay: Anticipated increase in bargaining unit agreement.	\$4,287	
<b>Operations</b>		
<b>INTERFUND COST RECLASSIFICATION:</b>		
919757B-7511 Special Revenue Funds: For services to be provided by Solidwaste	\$627,217	
<b>Equipment</b>		
<b>MACHINERY &amp; EQUIPMENT:</b>		
919725C-7031 Computer Equipment: For expansion positions.	\$3,000	
919725C-7036 Furniture/Fixtures: For expansion positions.	\$3,000	
<b>TOTAL EXPANSION BUDGET</b>	<b>\$697,339</b>	<b>2.0</b>

## Environmental Protection and Sustainability Program

## County Grant Subsidy Detail - Environmental Protection and Sustainability Fund

Name of Grantee/Program	FY 2017 Actual	FY 2018 Actual	FY 2019 Adopted	FY 2020 Proposed
Malama Maui Nui	\$0	\$0	\$155,500	\$205,000
Go Green West Maui Recycling	\$0	\$0	\$57,310	\$57,310
Community Work Day	\$0	\$0	\$216,000	\$216,000
<b>TOTAL GRANT SUBSIDY</b>	<b>\$0</b>	<b>\$0</b>	<b>\$428,810</b>	<b>\$478,310</b>

**County Grant Subsidy Program Description****Malama Maui Nui/Community Work Day, Keep Maui Beautiful Grant**

This portion of grant funds serves to fund general and operational expenses including a portion of administrative staff salaries as well as IT, office supplies, and equipment maintenance.

**Malama Maui Nui/Community Work Day, Go Green West Maui Recycling Grant**

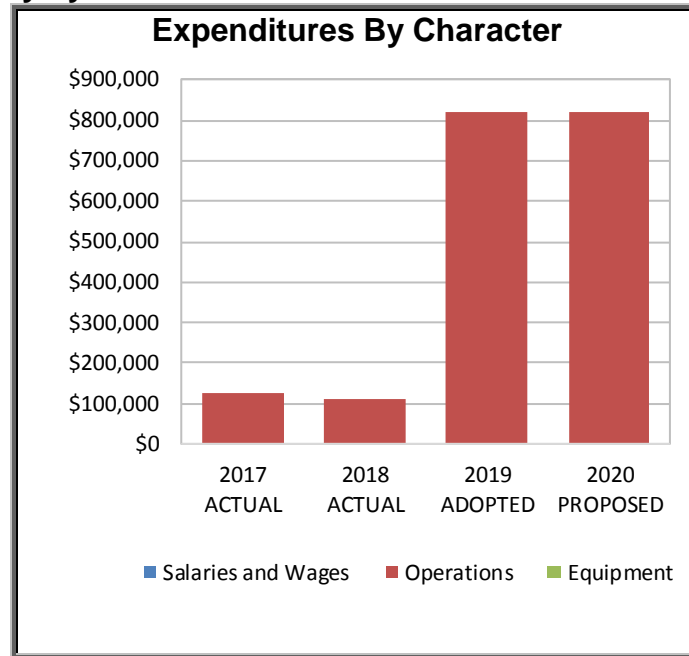
Previously a proviso, this grant provides for a monthly comprehensive recycling event for the community of West Maui. The event, held at the Lahaina Cannery Mall, provides collection of a large range of recyclable items, from glass, plastics and paper to appliances, bicycles, electronics, tires (for a fee), and scrap metal. The organization leverages several community partnerships to be able to conduct these events at a low cost.

**Community Work Day/Malama Maui Nui, Keep Maui Beautiful Grant**

This portion of the grant funds educational and outreach work to create behavioral change, as well as a portion of salaries for administrative staff and field crew. This includes school and community presentations, plastics reduction initiatives, community beautification events such as beach clean-ups, litter prevention outreach such as the "Uncovered Truck Law" educational event at the Central Maui Landfill.

## Environmental Protection and Sustainability Program

## Program Budget Summary by Fiscal Year – Grant Revenue Fund



## Expenditure Summary by Character &amp; Object – Grant Revenue Fund

CHARACTER/ OBJECT DESCRIPTION	2017 ACTUAL	2018 ACTUAL	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
<b>Salaries and Wages</b>						
OTHER PREMIUM PAY	\$0	\$0	\$0	\$0	\$0	N/A
WAGES & SALARIES	\$0	\$0	\$0	\$0	\$0	N/A
<b>Salaries and Wages Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>N/A</b>
<b>Operations</b>						
OTHER COSTS	\$126,184	\$109,390	\$420,000	\$420,000	\$0	N/A
SPECIAL PROJECTS			\$400,000	\$400,000	\$0	N/A
<b>Operations Total</b>	<b>\$126,184</b>	<b>\$109,390</b>	<b>\$820,000</b>	<b>\$820,000</b>	<b>\$0</b>	<b>N/A</b>
<b>Equipment</b>						
MACHINERY & EQUIPMENT	\$0	\$0	\$0	\$0	\$0	N/A
<b>Equipment Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>N/A</b>
<b>Program Total</b>	<b>\$126,184</b>	<b>\$109,390</b>	<b>\$820,000</b>	<b>\$820,000</b>	<b>\$0</b>	<b>N/A</b>

## Summary by Grant Award

Grant Award Name	New grant	Required County match? Yes/No and	FY 2017 Adopted	FY 2018 Adopted	FY 2019 Adopted	FY 2020 Proposed
		Match \$ or %				
Electronics Program	No	No	\$0	\$400,000	\$400,000	\$400,000
Deposit Beverage Container Program	No	No	\$0	\$50,000	\$0	\$0
Glass Recovery Program	No	No	\$99,100	\$110,000	\$120,000	\$160,000

## Environmental Protection and Sustainability Program

Grant Award Name	New grant	Required County match? Yes/No and	FY 2017 Adopted	FY 2018 Adopted	FY 2019 Adopted	FY 2020 Proposed
Recycling Program – Landfill Diversion	No	No	\$300,000	\$300,000	\$300,000	\$300,000
Used Motor Oil Collection Program	No	No	\$0	\$0	\$0	\$0
<b>TOTAL</b>			<b>\$399,100</b>	<b>\$860,000</b>	<b>\$820,000</b>	<b>\$860,000]</b>

**Grant Award Description****Electronic Program**

The State of Hawaii passed the Electronic Device Recycling Act SB 2843 in 2008. The purpose of this Act is to encourage recycling of electronic devices sold within the State. Manufacturers of covered electronic devices (CED's) and televisions (CTV's) are required to register and pay an annual fee of \$5,000 to the Department of Health. The intent of the law is to support County electronic recycling programs, and Maui County receives approximately \$100,000 per year from the State Department of Health to provide the Maui, Molokai, and Lanai communities with electronics collection and recycling services.

**Glass Recovery Program**

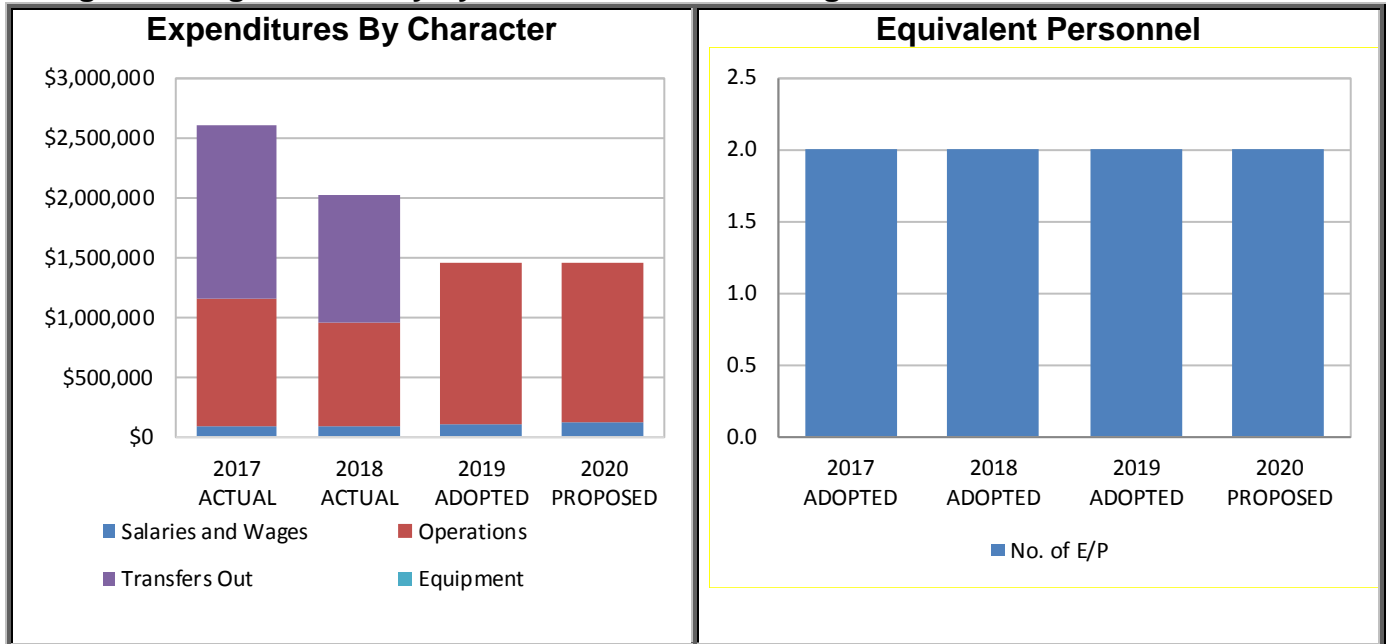
Act 201-94 of the State of Hawaii Revised Statutes imposes an Advance Disposal Fee (ADF) of 1 ½ cents per container on all non HI5 glass containers imported into the State which is collected and put into a fund. The money collected is distributed to the counties to implement a glass recovery program to divert glass from the landfill.

**Recycling Program - Landfill Diversion**

Projects discussed with the State are: working on getting past-due reimbursements from the State Department of Health for management and funding of the on-going E-cycling Program. There is no guarantee of state grant funds.

## Environmental Protection and Sustainability Program

## Program Budget Summary by Fiscal Year – Revolving Fund



## Expenditure Summary by Character &amp; Object – Revolving Fund

CHARACTER/ OBJECT DESCRIPTION	2017 ACTUAL	2018 ACTUAL	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
<b>Salaries and Wages</b>						
WAGES & SALARIES	\$88,788	\$87,170	\$102,048	\$102,048	\$0	N/A
OTHER PREMIUM PAY	\$7,634	\$4,546	\$11,750	\$14,661	\$2,911	24.8%
<b>Salaries and Wages Total</b>	<b>\$96,422</b>	<b>\$91,716</b>	<b>\$113,798</b>	<b>\$116,709</b>	<b>\$2,911</b>	<b>2.6%</b>
<b>Operations</b>						
MATERIALS & SUPPLIES	\$6,035	\$2,238	\$14,800	\$14,800	\$0	N/A
SERVICES	\$643,829	\$666,018	\$1,100,107	\$1,100,107	\$0	N/A
UTILITIES	\$2,206	\$2,956	\$2,408	\$2,408	\$0	N/A
TRAVEL	\$193		\$2,100	\$2,100	\$0	N/A
OTHER COSTS	\$411,545	\$195,331	\$221,750	\$221,750	\$0	N/A
<b>Operations Total</b>	<b>\$1,063,807</b>	<b>\$866,543</b>	<b>\$1,341,165</b>	<b>\$1,341,165</b>	<b>\$0</b>	<b>N/A</b>
<b>Transfers Out</b>						
Other Governmental Funds	\$1,452,099	\$1,078,430	\$0	\$0	\$0	N/A
<b>Transfers Out Total</b>	<b>\$1,452,099</b>	<b>\$1,078,430</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>N/A</b>
<b>Equipment</b>						
MACHINERY & EQUIPMENT	\$0	\$0	\$0	\$0	\$0	N/A
<b>Equipment Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>N/A</b>
<b>Program Total</b>	<b>\$2,612,328</b>	<b>\$2,036,689</b>	<b>\$1,454,963</b>	<b>\$1,457,874</b>	<b>\$2,911</b>	<b>0.2%</b>

## Equivalent Personnel Summary by Position Title – Revolving Fund

POSITION TITLE	2017 ADOPTED	2018 ADOPTED	2019 ADOPTED	2020 PROPOSED	CHANGE AMOUNT	CHANGE PERCENT
Recycling Program Assistant	1.0	1.0	1.0	1.0	0.0	N/A
Recycling Specialist IV	1.0	1.0	1.0	1.0	0.0	N/A
<b>Program Total</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>0.0</b>	<b>N/A</b>

